



Weber, Hayes & Associates
Hydrogeology and Environmental Engineering
120 Westgate Dr., Watsonville, CA 95076
(831) 722-3580 (831) 662-3100
Fax: (831) 722-1159

July 13, 2005
Project H8029.Q

Mr. Chris Randall, Plant Manager
Chemical Lime Natividad Plant
PO Box 1938
Salinas, California 93902

Subject: **Site Closure Request**
Post-Cleanup Groundwater Monitoring Report #4
Second Quarter 2005 - Monitoring and Reporting Program 98 - 110
Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California

Dear Mr. Randall:

This report presents our closure request and describes the fourth quarter of post-cleanup groundwater monitoring at the Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California. **We recommend that the fuel leak case at the Chemical Lime Natividad Plant be closed based on:**

- Source zone excavation and over 3 years of soil vapor extraction, which removed an estimated 43,000 pounds of gasoline, reducing hydrocarbon concentrations in on-site soil to below MCHD action levels, confirmed by soil borings in former soil hotspots.
- A year of post-cleanup groundwater monitoring indicating that all hydrocarbon concentrations, including MTBE, in shallow monitoring wells and deeper water production wells downgradient of the site are below Regional Board Action Levels / Maximum Contaminant Levels / water quality objectives.
- A pattern of sporadic and faint detections of MTBE in Chemical Lime production wells, and detection of consistent low levels of MTBE in the downgradient Lockard (LW-1) well has been thoroughly investigated. All data indicates a diffuse low concentration plume of MTBE at concentrations below the drinking water Maximum Contaminant Level / water quality objective of 5 parts per billion (ppb). A total of 26 well samples and 5 depth discrete samples have been collected from LW-1 since it was added to the monitoring program in 2003, and only 2 sampling events (March 12 and 19, 2004) detected concentrations greater than 5 ppb. The peak concentration (6.4 ppb) was detected on March 12, 2004, and MTBE has declined since then. The most recent MTBE detection in the Lockard well was 3 ppb.
- The perched water table closest to the former UST tank was monitored by 4 monitoring wells (MW-1, 2, 3, and 4) that have been dry since 2001. Rainfall records and groundwater monitoring data (see Figures 4 and 5) show that the perched water was a temporary event related to the extraordinary rainfall of the 1997-1998 winter.

- This multi-year record of data showing no remaining source and all hydrocarbon and MTBE concentrations in downgradient wells below Drinking Water Maximum Contaminant Levels / water quality objectives is our rationale for site closure.

Groundwater monitoring and cleanup of petroleum hydrocarbons were required by the Central Coast Regional Water Quality Control Board (Regional Board) and Monterey County Health Department (MCHD) pursuant to a release of petroleum hydrocarbons from underground storage tanks at site.

Source zone excavation of hydrocarbon-contaminated soils took place immediately after the USTs were removed. Additional soil cleanup by soil vapor extraction took place from May 2001 through August 2004. Soil samples collected in July 2004 indicated that hydrocarbon concentrations had been reduced to below MCHD guidelines.

In March 1999, groundwater monitoring wells installed on-site in what turned out to be a perched groundwater zone. The water in these wells initially contained hydrocarbons, but the wells have been dry since 2001. Dry conditions allowed the soil vapor extraction system to more effectively remove hydrocarbons from the former perched zone. Precipitation data indicates the 1997 - 1998 water year (October 1, 1997 to September 30, 1998) produced approximately 250% of normal rainfall, which likely caused the perched zone to form.

Dissolved petroleum hydrocarbon concentrations have not exceeded water quality objectives in the past year of post-cleanup monitoring.

EXECUTIVE SUMMARY

In April 1998, four underground storage tanks (USTs) were removed from the site by the Don Chapin Company. Soil around the USTs was over-excavated to a depth of 25 feet below the ground surface (bgs) by the Don Chapin Company to remove soil visibly contaminated by petroleum hydrocarbons (hydrocarbons). Soil samples collected from the base and side walls of the excavation indicated hydrocarbons remained in soil.

Soil and groundwater investigations to define the extent of hydrocarbons in the vicinity of the USTs were conducted by Weber, Hayes & Associates (WHA) in July and October 1998, and March 1999. Hydrocarbons were detected in soils from the bottom of the excavation (25 feet bgs) to a depth of approximately 50 feet bgs and to a horizontal distance of approximately 30 feet from the excavation.

A soil vapor extraction (SVE) system operated at the site from May 17, 2001 through August 31, 2004 to remove residual hydrocarbons from unsaturated soil and the dry perched zone (see below) in the vicinity of the removed USTs. We estimate the SVE system removed a total of approximately 43,000 pounds of hydrocarbons from the subsurface. Operation of the SVE system also promoted in-situ degradation of hydrocarbons. Because the perched water table of 1999 went dry by June

2001, and has stayed dry since, the SVE system had access to the full soil column (no saturated zone with trapped gasoline product).

On July 28, 2004 soil samples collected from the soil cleanup zone confirmed hydrocarbon concentrations had been reduced to below Monterey County Health Department (MCHD) cleanup levels. See our *Confirmation Soil Sampling Report*, dated August 20, 2004 for details. Based on the soil sample results, the SVE was shut down on August 31, 2004, and removed in September 2004.

A thin saturated zone (perched groundwater) was first encountered at the site in 1999 at depths ranging from 41 to 49 feet bgs. The bottom of this perched saturated zone appeared to be a clay layer found at a depth of approximately 50 to 55 feet bgs. Soil sample analytical results indicate that significant attenuation of hydrocarbons occurred in the clay. The clay layer appeared to be a barrier to vertical migration of hydrocarbons. Limestone bedrock (and drilling refusal) was encountered under the clay zone at depths of 70 feet. In March 1999 groundwater monitoring wells were installed and screened in this on-site perched zone. These wells have been dry since June 2001. Precipitation data indicates the 1997 - 1998 water year produced approximately 250% of normal rainfall, which likely caused the perched zone to form. We believe the perched zone will remain dry unless there is another extremely wet year.

Hydrocarbon impacts to groundwater initially appeared to be limited to the perched zone on-site, but there have been intermittent trace detections of hydrocarbons in downgradient off-site shallow groundwater monitoring wells installed in February 2002. Off-site monitoring wells MW-5 and 6 were dry from the summer of 2003 through the early spring of 2005.

Intermittent low levels of Methyl tert Butyl Ether (MTBE), up to six micrograms per liter (: g/L, parts per billion, ppb), had been detected in Chemical Lime's off-site downgradient production wells PW-4 and 5 and in the neighbor's production well (the Lockard Well, LW-1), also located downgradient of the Natividad plant. MTBE has not been detected in production wells PW-4 and 5 for the past year. Intensive investigation of well LW-1, including a video log and depth-discrete sampling at screen zones with low-flow pumping, did not find any transport zone with MTBE greater than 5 ppb. Instead, a diffuse, low concentration plume entering at multiple screen depths was found.

Hydrocarbons have never been detected in downgradient production well PW-6. Concentrations of MTBE in LW-1 peaked at 6.4 ppb in March 2004, declined to below the secondary drinking water Maximum Contaminant Level of 5 ppb by April 2004, and have continued to decline, remaining below the secondary MCL through this monitoring event. In May 2005, toluene and MTBE were detected in the first sampling of new Chemical Lime production well PW-8, days after the installation of a new submersible pump, electrical cable, and pump riser pipe. The use of solvent glue on the PVC pipe, electrical tape, and lube oil on the new pump were suspected in this detection.

Case Closure Request
Post-Cleanup Groundwater Monitoring Report #4
Chemical Lime Natividad Plant, Salinas, California
July 13, 2005

The well was re-sampled on May 31, 2005 after purging, and the sample contained no toluene and MTBE was below 5 ppb (see Table 2).

The fourth post cleanup groundwater monitoring event took place on May 31, 2005. On-site monitoring wells MW-1, 3, and 4 were dry for the seventeenth consecutive quarter. No hydrocarbons were detected in on-site well MW-2 (screened from 40 to 60 feet bgs). Low levels of TPH-g and BTEX (below Action Levels / Maximum Contaminant Levels / water quality objectives) were detected in downgradient off-site wells MW-5, 6, and 7 (screened from 60 to 80, 40 to 60, and 93 to 113 feet bgs, respectively).

Groundwater elevations rose an average of approximately 9.11 feet at the site since the previous monitoring event (March 2005). The groundwater flow direction on May 31, 2005 was to the southwest at a gradient of approximately 0.2 feet per foot (see Figure 7).

MTBE was detected in the downgradient neighbor's well, LW-1, at a concentration of 3.0 ppb. This is slightly higher than the previous sampling event, but is still below the secondary MCL of 5 ppb. There has been an overall downward trend in the concentration of MTBE in LW-1 since it peaked at 6.4 ppb in March 2004.

We recommend that the fuel leak case at the Chemical Lime Natividad Plant be closed based on:

- Source zone excavation and over 3 years of soil vapor extraction, which removed an estimated 43,000 pounds of gasoline, reducing hydrocarbon concentrations in on-site soil to below MCHD action levels, confirmed by soil borings in former soil hotspots.
- A year of post-cleanup groundwater monitoring indicating that all hydrocarbon concentrations, including MTBE, in shallow monitoring wells and deeper water production wells downgradient of the site are below Regional Board Action Levels / Maximum Contaminant Levels / water quality objectives.
- A pattern of sporadic and faint detections of MTBE in Chem Lime Production wells, and detection of consistent low levels of MTBE in the downgradient Lockard (LW-1) well has been thoroughly investigated. All data indicates a diffuse low concentration plume of MTBE at concentrations below 5 ppb. A total of 26 well samples and 5 depth discrete samples have been collected from the Lockard LW-1 well since it was added to the monitoring program in 2003, and only 2 sampling events (3/12/04 and 3/19/04) found concentrations greater than 5 ppb. The peak concentrations (6.4 ppb) were detected on 3/12/04, and MTBE has declined in the well since then. The most recent MTBE detection in the Lockard well was 3 ppb.

- The perched water table closest to the former UST tank was monitored by 4 monitoring wells (MW-1,2,3,4), and has been dry since 2001. Rainfall records and groundwater monitoring data (see Figures 4 and 5) show that the perched water was a temporary event related to the extraordinary rainfall of the 1997-1998 winter.
- This multi-year record of data showing no remaining source and all hydrocarbon and MTBE concentrations in downgradient wells below Drinking Water Maximum Contaminant Levels / water quality objectives is our rationale for site closure.

INTRODUCTION

This report presents a Closure Request for the fuel leak investigation and cleanup at the Chemical Lime Natividad Plant, 11771 Old Stage Road in Salinas, California (the site). The Closure Request is based on removal of petroleum hydrocarbon (hydrocarbon)-impacted soil by source zone excavation and soil vapor extraction, and six years of groundwater monitoring data that indicates hydrocarbon concentrations in shallow monitoring wells and deeper water production wells downgradient of the site are below California Regional Water Quality Control Board, Central Coast Region (Regional Board) Action Levels / Maximum Contaminant Levels / water quality objectives.

This report also documents the fourth quarterly post-cleanup groundwater monitoring event at the site. This report has been prepared to comply with the California Regional Water Quality Control Board, Central Coast Region's (the Regional Board) Monitoring and Reporting Program (M & RP) 98 - 110. Groundwater monitoring activities conducted at the site this quarter included:

- 1) Measuring the depth-to-groundwater, checking for free product, and collecting groundwater samples in the four on-site groundwater monitoring wells (MW-1, 2, 3, and 4) and three off-site downgradient monitoring wells (MW-5, 6, and 7), if they contained water
- 2) Collecting groundwater samples from Chemical Lime's three offsite water production wells (PW-4, 5, and 6)
- 3) Collecting groundwater samples from the neighbor's well (LW-1)
- 4) Submitting the samples to a State-certified analytical laboratory for analysis of dissolved petroleum hydrocarbons
- 5) Preparing this summary report which includes computed groundwater elevations and flow direction, a tabulation of analytical results, graphic presentation of the data, and our analysis of the data.

PROJECT HISTORY

Site Description

The Chemical Lime Natividad Plant is a limestone quarry and mineral processing plant located at the northeast margin of the Salinas Valley at the foot of the Gabilan Mountain Range in the Coast Ranges Geomorphic Province of California (Figure 1). The plant is extracting high-quality limestone from the hills at the northeast perimeter of the Salinas Valley. This limestone overlies the granite/granodiorite bedrock of the Gabilan Range which forms the eastern boundary of the Salinas Valley. The nearest surface water is Gabilan Creek located approximately 3,500 feet west of the site, and Natividad Creek located approximately 5,000 feet southeast of the site.

Soil and Groundwater Investigations

In April 1998, two 10,000 gallon gasoline USTs and two 10,000 gallon diesel USTs were excavated and removed from the Natividad Plant, under Monterey County permit, by the Don Chapin Company (Chapin). Chapin over-excavated soils beneath the former USTs to a depth of 15 to 25 feet below the ground surface (bgs) to remove soils which were visibly impacted by hydrocarbons. No groundwater was encountered in the excavation during the UST removal. Soil samples collected by Chapin during the UST removal indicated hydrocarbons remained in soil at the bottom and in the sidewalls of the excavation. The soil sample analytical results from the UST removal are summarized in Table 1.

In July 1998, Weber, Hayes and Associates supervised the drilling and sampling of four soil borings (DP-1 through 4) around the perimeter of the former UST area to define the extent of hydrocarbons in soil and groundwater at the site. Hydrocarbons were detected from the bottom of the excavation to a depth of approximately 52 feet bgs. Clean soil samples were collected from the base of all four borings at a depth of approximately 60 feet bgs, indicating the vertical extent of contamination was defined, and was less than 60 feet deep (Weber, Hayes and Associates, August 28, 1998). A thin saturated zone (perched groundwater) was first encountered at depths ranging from 41 to 49 feet bgs. The bottom of this perched saturated zone appeared to be a clay layer found at a depth of approximately 50 to 55 feet bgs in all of the borings. Soil sample analytical results indicate that significant attenuation of hydrocarbons occurred in the clay. The clay layer appeared to be a barrier to vertical migration of hydrocarbons. The soil boring locations are shown on Figure 2. Soil sample analytical results are summarized in Table 1.

In October 1998, Weber, Hayes and Associates supervised the drilling and sampling of five additional soil borings (SB-5 through 9, Figure 2) to determine the lateral extent of hydrocarbons at the site. The investigation indicated the extent of hydrocarbons in soil was horizontally limited to within approximately 30 feet of the former USTs, and dissolved hydrocarbons in groundwater appeared to be limited to within the site boundary. The leading edge of the dissolved hydrocarbon

plume appeared to be near borings SB-8 and 9, approximately 160 feet downgradient of the removed USTs (Weber, Hayes and Associates, November 19, 1998). The previously encountered clay layer that appeared to be a barrier to vertical migration of hydrocarbons was observed in all of these borings at a depth of approximately 50 to 55 feet bgs.

Based on the results of the soil and groundwater investigations, the Regional Board requested that groundwater monitoring wells be installed at the site to verify the extent of hydrocarbons in groundwater and the groundwater flow direction. In March 1999 WHA supervised the installation of three groundwater monitoring wells (MW-1, 2 and 3) at the site. The wells were installed to a depth of 60 feet bgs (Weber, Hayes and Associates, May 10, 1999). A quarterly groundwater monitoring program was initiated at that time to document dissolved hydrocarbon concentrations at the site. Groundwater elevation and laboratory analytical data for the groundwater samples collected from the site are summarized in Table 2.

As required by the Regional Board, an on-site, upgradient monitoring well, MW-4, was installed in June 2001. On-site monitoring wells MW-1, 3, and 4 have been dry since June 2001. On-site monitoring well MW-2 was dry from June 2001 through March 2005. Less than 0.5 feet of water was present in MW-2 in March 2005.

As requested by the Regional Board, monitoring wells MW-5, 6, and 7 were installed downgradient of the removed USTs, across Old Stage Road and more into the Salinas Valley in February 2002 (Figure 1). These wells are also on Chemical Lime's property. Monitoring well MW-5 is screened from 60 to 80 feet below the ground surface (bgs). Monitoring wells MW-6 and 7 are installed adjacent to each other. Well MW-6 is screened from 40 to 60 feet bgs, and MW-7 is screened from 93 - 113 feet bgs. Groundwater elevation and laboratory analytical data for the groundwater samples collected from these monitoring wells are also summarized in Table 2. MW-5 was dry from September 2003 through March 2005. MW-6 was dry from June 2003 through March 2005.

As noted above, on-site monitoring wells MW-1 through 4 have been dry since June 2001, MW-5 was dry from September 2003 through March 2005, and MW-6 was dry from June 2003 through March 2005. Except for intermittent trace detections well below water quality goals, hydrocarbons have not been detected in downgradient monitoring wells MW-5, 6, and 7.

Methyl tert Butyl Ether (MTBE) had been detected intermittently in Chemical Lime's downgradient production wells PW-4 and 5 at low levels, up to six micrograms per liter (: g/L, parts per billion, ppb). MTBE has not been detected in production wells PW-4 and 5 for the past year.

Production well PW-1 was properly destroyed in November 2001 when it was determined that the screen interval in this well could allow shallow MTBE-impacted groundwater to reach deeper groundwater.

Potable water for the Natividad Plant is supplied by well PW-6 (Figure 1). No hydrocarbons, including MTBE, have ever been detected in PW-6.

The Lockard water well (LW-1) is a domestic water well at the residence of Mike and Lynette Lockard, 402-A Natividad Road, Salinas CA 93906 (Figure 1). LW-1 is located approximately 2,400 feet downgradient of the former UST location at the Natividad Plant. LW-1 was identified in a well search in the fourth quarter 2001. Chemical Lime responded as a good neighbor and began sampling LW-1 for hydrocarbons monthly in December of 2001. The sampling frequency was reduced to quarterly after 4 months of non-detect samples.

MTBE was detected in LW-1 in April 2003 at a concentration of 1.4 ppb. Chemical Lime responded to the detection of MTBE in LW-1 as a responsible neighbor and notified the well owner, the Regional Board, and MCHD staff, collected and analyzed confirmation, split and split duplicate samples to confirm the initial detection of MTBE, and began voluntary monthly sampling and analysis to monitor the concentration of MTBE in LW-1.

On March 12, 2004, MTBE was detected at a concentration of 5.9 ppb in LW-1. No other fuel oxygenates were detected in LW-1 on this date. This was the first time that MTBE was detected at a concentration above the secondary Maximum Contaminant Level (MCL) of 5 ppb in LW-1. After the initial detection of MTBE at a concentration greater than the MCL in LW-1, we implemented the *Action Plan to Evaluate MTBE Occurrence in the Lockard Water Well*. The *Action Plan* was developed as a contingency for just such an occurrence. The *Action Plan* was described in our report dated April 15, 2004, and included collecting additional groundwater samples for analyses (including split, confirmation, and depth discrete samples), and physical investigation of the well.

The *Action Plan* investigation indicated that low concentrations of MTBE, in the range of 4 to 5 ppb, were present in the deep aquifer in the vicinity of LW-1 in March 2004. Since that time the concentration of MTBE in LW-1 has decreased. The analytical data from LW-1 is summarized in Table 2 and Figure 3.

During the last year the MTBE concentration in LW-1 has been below the drinking water MCL of 5 ppb:

MTBE was detected at a concentration of 4.7 ppb on April 1, 2004. No other hydrocarbons were detected in LW-1 on April 1, 2004.

MTBE was detected at a concentration of 4.4 ppb on May 6, 2004. No other hydrocarbons were detected in LW-1 on May 6, 2004.

MTBE was detected at a concentration of 3.8 ppb on June 2, 2004. No other hydrocarbons were detected in LW-1 on June 2, 2004.

MTBE was detected at a concentration of 4.3 ppb on July 7, 2004. No other hydrocarbons were detected in LW-1 on July 7, 2004.

MTBE was detected at a concentration of 2.1 ppb (detected at a concentration of 2.2 ppb in duplicate sample) on August 4, 2004. No other hydrocarbons were detected in LW-1 on August 4, 2004.

MTBE was detected at a concentration of 3.5 ppb on November 23, 2004. No other hydrocarbons were detected in LW-1 on November 23, 2004.

MTBE was detected at a concentration of 2.9 ppb on March 15, 2005. No other hydrocarbons were detected in LW-1 on March 15, 2005.

MTBE was detected at a concentration of 3.0 ppb on May 31, 2005. No other hydrocarbons were detected in LW-1 on May 31, 2005.

This intensive sampling and investigation history of LW-1, with duplicate and replicate sampling, define a consistent pattern of MTBE detection at less than 5 ppb, with a declining trend.

REGIONAL AND SITE HYDROGEOLOGY

Regional Hydrogeology

The Natividad quarry is extracting high-quality limestone from the hills at the northeast perimeter of the Salinas Valley. This limestone overlies the granite/granodiorite bedrock of the Gabilan Range. This range of hills forms the northeast boundary of the Salinas Valley. The former UST locations are directly downslope from the quarry area, where a relatively thin layer of unconsolidated alluvial and colluvial sediments lap up against the base of the Gabilan Range bedrock. Therefore, this site is not underlain by a deep, thick sequence of alluvial deposits like most of the Salinas Valley, but by a thin layer of sediments over hard bedrock. Soil borings drilled on-site indicate that the top of weathered bedrock (drilling refusal) is reached at 70 - 90 feet bgs at the site.

Regional groundwater flow is to the southwest, from the hills above the quarry out towards the Salinas Valley and towards Natividad Road (see Figure 1). The regional aquifers in the Salinas Valley alluvium which are used for agricultural and domestic water supplies are commonly referred to as the 180-foot and 400-foot aquifer, in reference to the depth to confining beds at the top of each aquifer (Showalter, Akers, Swain, 1983). Chemical Lime production well PW-4 is screened in both the 180 and 400 foot regional aquifers. Production wells PW-5, 7, and 8 are screened in only the 180 foot aquifer. Chemical Lime well PW-6 is screened only in the deeper aquifer.

Extent of Perched Water Table

During drilling at the site in July and October 1998, we encountered unconsolidated soils which were logged to depths of 70 to 90 feet bgs, where drilling encountered hard bedrock. All borings encountered a clay or sandy clay unit at 48 - 54 feet bgs. The sandy zones just above this deep clay unit were saturated with a perched water table, although the deeper clay unit was dry to slightly moist. This perched water table seems to be laterally continuous from the UST area to down-gradient property line. This zone of saturated soil was encountered from a depth of approximately 42 feet to 52 feet bgs. The saturated zone may vary in thickness or disappear entirely depending on seasonal recharge variations. Based on measured groundwater elevation and surveyed top of casing elevations, the calculated groundwater flow direction is to the south to southwest, from the former UST location toward the property boundary. The deeper regional groundwater table was **NOT** encountered in the borings, which terminated at the bedrock surface. The lack of water in on-site monitoring wells MW-1, 2, 3, and 4 since the second quarter of 2001 (MW-2 contained a small amount of water this quarter for the first time since 2001) indicates that these wells are screened in a perched water table which thins or dries up seasonally. Precipitation data indicates the 1997 - 1998 water year (October 1, 1997 to September 30, 1998) produced approximately 250% of normal rainfall, which caused the perched zone to form. Precipitation data for the site collected by Chemical Lime is presented on Figure 4. Regional precipitation data from the Salinas Airport Weather Station is presented on Figure 5.

INTERIM REMEDIAL ACTIONS: SOIL VAPOR EXTRACTION SYSTEM

An interim remedial action soil vapor extraction (SVE) system was designed and installed to remove hydrocarbons from the unsaturated (source) zone around the removed USTs at the site. The SVE system consisted of nine vapor extraction wells, a 250 cubic feet per minute (CFM) positive displacement blower, and an air pollution control device. The Monterey Bay Unified Air Pollution Control District (MBUAPCD) issued a Permit to Operate the SVE system on May 18, 2001. The cleanup system operated from May 23, 2001 through August 31, 2004. The location of the SVE unit and the vapor extraction wells are shown on Figure 2.

The IRA system was operated twenty four-hours per day, seven days per week throughout its three plus years of existence, except for routine maintenance shut-downs.

As noted above, on-site groundwater monitoring wells MW-1, 2, 3, and 4, completed in the perched zone, were dry from the second quarter 2001 through the present. A benefit of the dry conditions was that the perched zone was open to the influence of the SVE system. This allowed the SVE system to remove hydrocarbons from the perched zone as well as the unsaturated zone near the USTs.

Case Closure Request
Post-Cleanup Groundwater Monitoring Report #4
Chemical Lime Natividad Plant, Salinas, California
July 13, 2005

Based on the average extracted air flow rate and hydrocarbon concentrations in the extracted air, we estimate that a total of 43,092 pounds of hydrocarbons were removed from the subsurface by the interim remedial action SVE system during its operation. A summary of the hydrocarbon concentrations in the extracted air and an estimate of the hydrocarbon mass removed is presented in Table 3 and Figure 6.

Air emissions from the cleanup system were within the limits established by the MBUAPCD Permit to Operate throughout the project.

On July 28, 2004 soil samples collected from the SVE remediation zone confirmed hydrocarbon concentrations in source zone soils had been reduced to below MCHD cleanup levels (WHA, *Confirmation Soil Sampling Report*, August 20, 2004). The analytical results from that investigation are summarized below.

Summary of Soil Sample Analytical Results, Pre- and Post-Cleanup (mg/Kg, ppm)

Well ID (Date)	TPH-g	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
CB-1a (7/04)	ND	ND	ND	ND	ND	ND
SB-1e (7/98)	5,800	3	75	57	190	15
CB-2a (7/04)	94	< 0.0125	< 0.0125	< 0.0125	< 0.025	< 0.0125
S-1i (12/00)	1,900	21	180	63	320	22
PQL	0.05	0.005	0.005	0.005	0.01	0.005
MCHD ALs	100	0.1	0.1	1	1	0.05

Based on the post-cleanup confirmation soil sample results, the SVE system was shut down on August 31, 2004 with approval of the Regional Board (September 27, 2004) and the MCHD. The SVE system was removed at the end of September 2004.

SUMMARY OF QUARTERLY ACTIVITY

Groundwater Monitoring - Chemical Lime Monitoring and Production Wells

The fourth post-cleanup groundwater monitoring event took place in the second quarter 2005, on May 31, 2005. On-site groundwater monitoring wells, MW-1, 3, and 4, were dry on May 31, 2005. Groundwater samples could not be collected, nor could depth-to-groundwater measurement be made in these monitoring wells. This was the eighteenth consecutive quarter these wells have been dry. On-site groundwater monitoring well, MW-2, contained water for the first time in eighteen

Case Closure Request
Post-Cleanup Groundwater Monitoring Report #4
Chemical Lime Natividad Plant, Salinas, California
July 13, 2005

consecutive quarters and was gauged and sampled. Due to the very low volume of water in the well, a sample was collected with a disposable acrylic bailer without any purging.

Downgradient monitoring well MW-5, 6, and 7 contained water on May 31, 2005 and were gauged and sampled. This is the first time in eight and nine consecutive quarters that MW-5 and 6, respectively, have contained water. Gauging and sampling were conducted according to our standard groundwater monitoring field methodology, which is described in Appendix A. Field data forms are also included in Appendix A.

The groundwater level in MW-7 rose over 13 feet since it was last gauged on March 15, 2005. This rise is likely due to normal seasonal fluctuations in this part of California. We note that this was a wet year (see rainfall data, Figures 4 and 5).

Groundwater elevations were calculated by subtracting the measured depth-to-groundwater from the top-of-casing elevations. Current and previous groundwater elevations for the site are summarized in Table 2. The calculated groundwater elevations and flow direction on May 31, 2005 are shown on Figure 7.

Samples were also collected from the off-site production wells PW-4, 5, and 6 May 31, 2005. Samples from the production wells were collected from either the well head sample taps (where available), or from the closest sampling location to the well head. Each production well pump was allowed to run for several minutes with the sample tap open before a sample was collected. Well locations are shown on Figures 1, 7, and 8. Off-site production wells PW-4, 5, and 6 have been sampled on a semi-annual basis during the past four quarters of post-cleanup monitoring. The production wells were not scheduled to be sampled during this final post-cleanup monitoring event, but samples were collected for completeness.

The groundwater samples were analyzed for Total Petroleum Hydrocarbons as gasoline (TPH-g) by GC - MS, for benzene, toluene, ethylbenzene, and xylenes (BTEX), and for fuel oxygenates, including methyl -tert - butyl ether (MTBE), by EPA Method 8260B.

Hydrocarbons were not detected in the sample collected from well MW-2. We note that only just enough water to fill one 40 milliliter VOA sampling container was found in MW-2.

Low levels of xylenes (1.2 micrograms per liter [: g/L, parts per billion, ppb]) were detected in MW-5. No other hydrocarbons, including MTBE and fuel oxygenates, were detected in monitoring well MW-5 this quarter. The MCL for xylenes is 1,750 ppb.

Low levels of TPH-g (43 ppb), toluene (2.1 ppb), ethyl benzene (2.6 ppb), and xylenes (16 ppb) were detected in MW-6. No other hydrocarbons, including MTBE and fuel oxygenates, were detected in monitoring well MW-6 this quarter. All of these detections were below their respective Action Levels / MCLs.

Low levels of TPH-g (38 ppb), toluene (2.5 ppb), ethyl benzene (2.2 ppb), and xylenes (13 ppb) were detected in MW-7. No other hydrocarbons, including MTBE and fuel oxygenates, were detected in monitoring well MW-7 this quarter. Again all of these detections were below their respective Action Levels / MCLs.

These low concentrations of TPH-g and BTEX are likely not significant, and may be related to the groundwater level rise noted above. We believe it is extremely unlikely that significant amounts of TPH-g and BTEX could have migrated from the site to MW-5, 6, and 7.

Hydrocarbons, including MTBE, were not detected in newly installed production well PW-7. Low levels of TPH-g, toluene, and MTBE were detected in PW-8 before it was purged. After purging only MTBE was detected in PW-8 at 4.3 ppb. Hydrocarbons, including MTBE, were not detected in existing production wells PW-4, 5, and 6.

All current groundwater sample analytical results are summarized in Table 2 and on Figure 8. Table 2 also includes previous laboratory analytical results for all of the wells associated with the site. The laboratory's Certificate of Analysis for the groundwater samples are presented as Appendix B. Groundwater sample analytical quality control and quality assurance data for all of the monitoring well and production well sample analyses were within acceptable limits.

Groundwater Monitoring - Lockard Domestic Water Well

The Lockard water well (LW-1) is a domestic water well at the residence of Mike and Lynette Lockard, 402-A Natividad Road, Salinas CA 93906. LW-1 is located approximately 2,400 feet downgradient of the former UST location at the Natividad Plant (see Figure 1). LW-1 was identified in a well search in the fourth quarter 2001 (see the Project History section, above for details on the discovery of low levels of MTBE in LW-1).

MTBE was detected in LW-1 at a concentration of 3.0 ppb on May 31, 2005. This is a slightly higher concentration than the last sampling event. The analytical data from LW-1 indicates that the concentration of MTBE in LW-1 peaked at 6.4 ppb in March 2004, and has been declining since. The data is summarized in Table 2 and Figures 3 and 8. The laboratory's Certificate of Analysis is presented as Appendix B.

The trace levels of TPH-g and BTEX, and absence of MTBE, in downgradient monitoring wells MW-5, 6, and 7 since they were installed in February 2002 indicate there are no significant hydrocarbon impacts from the former underground storage tanks (USTs) beyond Old Stage Road in the (shallow) zones monitored by these wells.

The data from the production wells and LW-1 indicate that only trace levels of MTBE (**below the secondary MCL**) are present in the deeper water bearing zones in the vicinity of these wells.

SUMMARY AND CONCLUSIONS

- C The fourth post-cleanup groundwater monitoring event took place in the second quarter 2005, on May 31, 2005.
- C On-site groundwater monitoring wells MW-1, 3, and 4, completed in the perched zone, were dry again this quarter. These wells have been dry for four years.
- C There was just enough water in MW-2 to fill one 40 milliliter VOA. Hydrocarbons were not detected in this sample.
- C Low levels of TPH-g and BTEX, below the action levels / MCLs / water quality objectives, were detected in downgradient monitoring wells MW-5, 6, and 7, west of Old Stage Road.
- C MTBE was detected at a concentration of 3.0 ppb in nearby domestic well LW-1. The secondary MCL for MTBE is 5 ppb. The analytical data from LW-1 indicates that the concentration of MTBE in LW-1 peaked at 6.4 ppb in March 2004, and has been declining since.
- C The interim remedial action soil vapor extraction system operated from May 23, 2001 through August 31, 2004. We estimate that a total of approximately 43,092 pounds of hydrocarbons were removed from the subsurface by the interim remedial action SVE system.
- C Based on confirmation sample results that showed concentrations of hydrocarbons in soil in the SVE cleanup area had been reduced below MCHD guidelines, the SVE system was shut down on August 31, 2004 with the approval of the Regional Board and MCHD. The SVE system was removed in September 2004.

RECOMMENDATIONS

We recommend that the fuel leak case at the Chemical Lime Natividad Plant be closed based on:

- Source zone excavation and over 3 years of soil vapor extraction, which removed an estimated 43,000 pounds of gasoline, reducing hydrocarbon concentrations in on-site soil to below MCHD action levels, confirmed by soil borings in former soil hotspots.
- A year of post-cleanup groundwater monitoring indicating that all hydrocarbon concentrations, including MTBE, in shallow monitoring wells and deeper water

production wells downgradient of the site are below Regional Board Action Levels / Maximum Contaminant Levels / water quality objectives.

- A pattern of sporadic and faint detections of MTBE in Chemical Lime production wells, and detection of consistent low levels of MTBE in the downgradient Lockard (LW-1) well has been thoroughly investigated. All data indicates a diffuse low concentration plume of MTBE at concentrations below the drinking water Maximum Contaminant Level / water quality objective of 5 parts per billion (ppb). A total of 26 well samples and 5 depth discrete samples have been collected from LW-1 since it was added to the monitoring program in 2003, and only 2 sampling events (March 12 and 19, 2004) detected concentrations greater than 5 ppb. The peak concentration (6.4 ppb) was detected on March 12, 2004, and MTBE has declined since then. The most recent MTBE detection in the Lockard well was 3 ppb.
- The perched water table closest to the former UST tank was monitored by 4 monitoring wells (MW-1, 2, 3, and 4) that have been dry since 2001. Rainfall records and groundwater monitoring data (see Figures 4 and 5) show that the perched water was a temporary event related to the extraordinary rainfall of the 1997-1998 winter.
- This multi-year record of data showing no remaining source and all hydrocarbon and MTBE concentrations in downgradient wells below Drinking Water Maximum Contaminant Levels / water quality objectives is our rationale for site closure.

LIMITATIONS

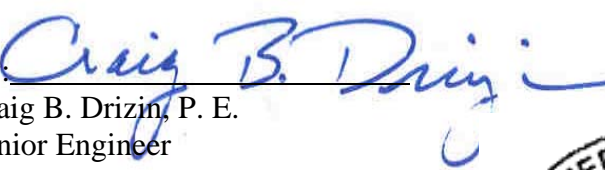
Our service consists of professional opinions and recommendations made in accordance with generally accepted geologic and engineering principles and practices. This warranty is in lieu of all others, be it expressed or implied. The analysis and conclusions in this report are based on sampling and testing which are necessarily limited. Additional data from future work may lead to modification of the opinions expressed herein.

Case Closure Request
Post-Cleanup Groundwater Monitoring Report #4
Chemical Lime Natividad Plant, Salinas, California
July 13, 2005

Thank you for the opportunity to assist in the remediation of the fuel leak at your facility. If you have any questions or comments regarding this project, please call us at (831) 722 - 3580.

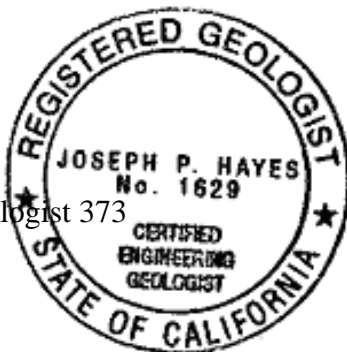
Sincerely yours,

Weber, Hayes and Associates

By: 
Craig B. Drizin, P. E.
Senior Engineer



And: 
Joseph Hayes, P. G., Certified Hydrogeologist 373
Principal Hydrogeologist



Attachments:

- | | |
|------------|--|
| Table 1 | Summary of Soil Sample Analytical Data |
| Table 2 | Summary of Groundwater Elevation and Analytical Data |
| Table 3 | Summary of Hydrocarbon Concentrations in Extracted and Treated Air |
| Table 4 | Chemical Lime Natividad Plant Precipitation Record |
| Table 5 | Salinas Airport 54-Year Precipitation Record (1948 - 2004) |
| | |
| Figure 1 | Location Map |
| Figure 2 | Site Map with Soil Vapor Extraction, Monitoring Well, and Soil Boring Locations |
| Figure 3 | LW-1 MTBE Concentrations vs. Time |
| Figure 4 | Chemical Lime Natividad Plant Precipitation Record |
| Figure 5 | Salinas Airport Precipitation Record |
| Figure 6 | PHC Mass Removal by Cleanup System |
| Figure 7 | Shallow Groundwater Elevation Contour Map |
| Figure 8 | Vicinity Map with Analytical Results |
| | |
| Appendix A | Groundwater Monitoring Procedures and Field Data Forms |
| Appendix B | Certified Analytical Reports - Groundwater Samples, Chemical Lime Wells |
| | |
| c: | Mr. Roger Briggs/Mr. John Goni, Central Coast Regional Water Quality Control Board
Mr. John Ramirez, Monterey County Department of Health |

REFERENCES

Central Coast Regional Water Quality Control Board, *UGT: Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, Delineation of Contaminants*, December 30, 1998

Central Coast Regional Water Quality Control Board, *UGT: Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, Workplan Approval - Installation of Monitoring Wells*, March 11, 1999

Central Coast Regional Water Quality Control Board, *UGT: Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, Need for Additional Investigation*, January 18, 2000

Central Coast Regional Water Quality Control Board, *UGT: Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, Need for Additional Investigation*, February 14, 2000

Central Coast Regional Water Quality Control Board, *UGT: Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, Need for Additional Investigation*, October 4, 2000

Central Coast Regional Water Quality Control Board, *UGT: Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, Authorization for Interim Remedial Action and Air Sparge Testing*, January 24, 2001

Central Coast Regional Water Quality Control Board, *UGT: Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, Authorization for Interim Remedial Action and Air Sparge Testing and Request for Additional Delineation Workplan*, March 6, 2001

Central Coast Regional Water Quality Control Board, *UGT: Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, Response to Interim Remedial Action Plan Addendum and Revised Workplan for Additional Well Installation and Production Well Replacement*, September 27, 2001

Central Coast Regional Water Quality Control Board, *UGT: Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, Response to Quarterly Monitoring Report and Request for Monthly Sampling of Production Wells P-4 and 4*, November 26, 2001

Central Coast Regional Water Quality Control Board, *UGT: Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, Response to Quarterly Monitoring Report and Request for Reduced Monitoring of Production Wells*, May 14, 2002

Central Coast Regional Water Quality Control Board, *UGT: Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, Response to Work Plan for Confirmation Soil Sampling and Fourth Quarter Ground Water Monitoring Report*, March 12, 2004

Case Closure Request
Post-Cleanup Groundwater Monitoring Report #4
Chemical Lime Natividad Plant, Salinas, California
July 13, 2005

REFERENCES (continued)

Central Coast Regional Water Quality Control Board, *UGT: Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, Response to Soil Investigation and Confirmation Sampling*, September 27, 2004

Freeze, R. Allan and John A. Cherry, 1979: *Groundwater* Prentice-Hall, Inc. Englewood Cliffs, New Jersey, 604 p.

Johnson, P.C., C.C. Stanley, M.W., Kemblowski, D.L. Byers, and J.D. Coulthart, 1990: *A Practical Approach to the Design, Operation, and Monitoring of In Situ Soil Venting Systems*, Groundwater Monitoring and Remediation, Spring 1990, pages 159 - 178

Johnson, R.L., P.C. Johnson, D.B. McWhorter, R.E. Hinchee, and I. Goodman, 1993: *An Overview of In Situ Air Sparging*, Groundwater Monitoring and Remediation, Fall 1993, pages 127 - 135

Leeson, A., P. Johnson, R. L. Johnson, T. Wiley, *Air Sparging for Site Remediation (Workshop)*, Battelle Environmental Technology, April 1999

Leu, David J., et al., 1989, *Leaking Underground Fuel Tank Field Manual: Guidelines for Site Assessment, Cleanup, and Underground Storage Tank Closure*, State Water Resources Control Board

Monterey County Department of Health, *Workplan Approval - Chemical Lime Company*, July 27, 1998

Monterey County Department of Health, *Soils Investigation (Underground Tank Removal Permit #509 - 3189)*, January 28, 1999

Monterey County Department of Health, *Soils Investigation (Underground Tank Removal Permit #509 - 3189)*, March 1, 1999

Monterey County Department of Health, *Soil Stockpile Disposal Approval Letter - Chemical Lime Company*, February 1, 2002

Showalter, P., Akers, J.P., and Swain, L, 1983, *Design of a Groundwater Monitoring Network for the Salinas River Basin*, USGS Water Resources Investigation 83-4049

USGS, 1973, Geologic Map of the Salinas Quadrangle

REFERENCES (continued)

Weber, Hayes and Associates, *Workplan for Sampling to Determine Extent of Hydrocarbon Contamination from Underground Fuel Tanks, Natividad Plant, Salinas*, July 17, 1998

Weber, Hayes and Associates, *Soil and Groundwater Investigation, Chemical Lime, Natividad Plant, Salinas, CA*, August 28, 1998

Weber, Hayes and Associates, *Workplan for Second Round of Sampling to Determine Extent of Hydrocarbon Contamination from Underground Fuel Tanks, Natividad Plant, Salinas*, September 9, 1998

Weber, Hayes and Associates, *Delineation of Groundwater and Soil Contamination, Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, CA*, November 19, 1998

Weber, Hayes and Associates, *Workplan for Monitoring Well Installation, Chemical Lime, Natividad Plant*, January 26, 1999

Weber, Hayes and Associates, *Monitoring Well Installation, Development, and Sampling, Chemical Lime, Natividad Plant, Salinas, CA*, May 10, 1999

Weber, Hayes and Associates, *Quarterly Groundwater Monitoring - Third Quarter 1999, Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California*, October 19, 1999

Weber, Hayes and Associates, *Quarterly Groundwater Monitoring - Fourth Quarter 1999, Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California*, January 10, 2000

Weber, Hayes and Associates, *Quarterly Groundwater Monitoring - First Quarter 2000, Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California*, April 11, 2000

Weber, Hayes and Associates, *Quarterly Groundwater Monitoring - Second Quarter 2000, Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California*, July 6, 2000

Weber, Hayes and Associates, *Quarterly Groundwater Monitoring - Third Quarter 2000, Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California*, September 29, 2000

Weber, Hayes and Associates, *Air Sparging Design Test Workplan, Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California*, November 7, 2000

Weber, Hayes and Associates, *Quarterly Groundwater Monitoring - Fourth Quarter 2000, Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California*, January 18, 2001

Case Closure Request
Post-Cleanup Groundwater Monitoring Report #4
Chemical Lime Natividad Plant, Salinas, California
July 13, 2005

REFERENCES (continued)

Weber, Hayes and Associates, *Interim Remediation and Continuation of Site Delineation - Status Report, Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California*, February 26, 2001

Weber, Hayes and Associates, *Groundwater Monitoring - First Quarter 2001, Monitoring and Reporting Program 98 - 110, Interim Remedial Actions and Additional Assessment, Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California*, April 19, 2001

Weber, Hayes and Associates, *Workplan for Additional Monitoring Well Installation, Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California*, May 19, 2001

Weber, Hayes and Associates, *Revised Workplan for Additional Monitoring Well Installation and Production Well Replacement, Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California*, September 18, 2001

Weber, Hayes and Associates, *Groundwater Monitoring and Interim Remedial Action Report, Monitoring and Reporting Program 98 - 110 - Second Quarter 2001, Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California*, July 19, 2001

Weber, Hayes and Associates, *Groundwater Monitoring and Interim Remedial Action Report, Monitoring and Reporting Program 98 - 110 - Third Quarter 2001, Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California*, October 8, 2001

Weber, Hayes and Associates, *Groundwater Monitoring and Interim Remedial Action Report, Monitoring and Reporting Program 98 - 110 - Fourth Quarter 2001, Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California*, January 15, 2002

Weber, Hayes and Associates, *Groundwater Monitoring and Interim Remedial Action Report, with Installation and Sampling of new Monitoring Wells MW-5, 6, 7, Monitoring and Reporting Program 98 - 110 - First Quarter 2002, Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California*, March 26, 2002

Weber, Hayes and Associates, *Groundwater Monitoring and Interim Remedial Action Report, Monitoring and Reporting Program 98 - 110 - Second Quarter 2002, Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California*, July 15, 2002

Weber, Hayes and Associates, *Groundwater Monitoring and Interim Remedial Action Report, Monitoring and Reporting Program 98 - 110 - Third Quarter 2002, Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California*, October 11, 2002

REFERENCES (continued)

Weber, Hayes and Associates, *Groundwater Monitoring and Interim Remedial Action Report, Monitoring and Reporting Program 98 - 110 - Fourth Quarter 2002, Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California*, January 9, 2003

Weber, Hayes and Associates, *Groundwater Monitoring and Interim Remedial Action Report, Monitoring and Reporting Program 98 - 110 - First Quarter 2003, Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California*, May 19, 2003

Weber, Hayes and Associates, *Groundwater Monitoring and Interim Remedial Action Report, Monitoring and Reporting Program 98 - 110 - Second Quarter 2003, Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California*, July 16, 2003

Weber, Hayes and Associates, *Groundwater Monitoring and Interim Remedial Action Report, Monitoring and Reporting Program 98 - 110 - Third Quarter 2003, Work Plan for Confirmation Soil Sampling, Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California*, October 16, 2003

Weber, Hayes and Associates, *Groundwater Monitoring and Interim Remedial Action Report, Monitoring and Reporting Program 98 - 110 - Fourth Quarter 2003, Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California*, January 14, 2004

Weber, Hayes and Associates, *Action Plan to Evaluate the MTBE Occurrence in Lockard Water Well, Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California*, March 23, 2004

Weber, Hayes and Associates, *Groundwater Monitoring and Interim Remedial Action Report, First Quarter 2004 - Monitoring and Reporting Program 98 - 110, With Action Plan to Evaluate the MTBE Occurrence in Lockard Water Well, Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California*, April 15, 2004

Weber, Hayes and Associates, *Groundwater Monitoring and Interim Remedial Action Report, Second Quarter 2004 - Monitoring and Reporting Program 98 - 110, Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California*, June 30, 2004

Weber, Hayes and Associates, *Confirmation Soil Samples / Completion of Site Cleanup, Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California*, August 20, 2004

Weber, Hayes and Associates, *Post Cleanup Groundwater Monitoring Report #1, Third Quarter 2004 - Monitoring and Reporting Program 98 - 110, Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California*, October 15, 2004

Case Closure Request
Post-Cleanup Groundwater Monitoring Report #4
Chemical Lime Natividad Plant, Salinas, California
July 13, 2005

REFERENCES (continued)

Weber, Hayes and Associates, *Post Cleanup Groundwater Monitoring Report #2, Fourth Quarter 2004 - Monitoring and Reporting Program 98 - 110, Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California*, January 3, 2005

Weber, Hayes and Associates, *Post Cleanup Groundwater Monitoring Report #3, First Quarter 2005 - Monitoring and Reporting Program 98 - 110, Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California*, April 14, 2005

Table 1: Summary of Soil Sample Analytical Data
Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California
Weber, Hayes and Associates Project H8029

Investigation & Date	Sample Location	Depth to Groundwater (feet, bgs)	Sample ID	Sample Depth (feet, bgs)	TPH as Diesel (mg/Kg)	TPH as Gasoline (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)	MTBE (mg/Kg)
Confirmation Soil Borings (On-Site) Weber, Hayes and Associates (July 28, 2004)	CB-1	--	CB-1a	30	--	ND	ND	ND	ND	ND	ND
	CB-2	--	CB-2a***	45	--	94	<0.0125	<0.0125	<0.0125	<0.025	<0.0125
Vapor Extraction and Air Sparge Test Well Installation and Additional Soil Investigation Weber, Hayes and Associates (December 6, 2000)	S-1	--	S-1e	25	--	< 10	0.18	0.11	< 0.1	< 0.2	6.7
			S-1g	35	--	1,000	8.8	81	28	150	14
			S-1i	45	--	1,900	21	180	63	320	22
			S-1o	57.5	--	4.2	0.67	< 0.025	0.049	0.17	0.082
	VE-1	--	VE-1c	16.5	--	11	< 0.1	< 0.1	< 0.1	< 0.2	16
			VE-1h	40	--	< 50	3.0	4.0	< 0.5	1.9	40
	VE-2	--	VE-2c	15	--	20	0.20	0.15	0.11	0.24	0.190
			VE-2h	40	--	20	0.75	2.0	0.32	1.8	7.6
Monitoring Well Installation* Weber, Hayes and Associates (March 22 and 23, 1999)	MW-1	42	MW-1c	15	ND	ND	ND	ND	0.006	0.02	0.007
			MW-1f	30	ND	ND	ND	ND	ND	ND	0.036
			MW-1h	40	ND	ND	0.006	0.008	ND	ND	0.3
Additional Soil and Groundwater Investigation Weber, Hayes and Associates (October 6 and 7, 1998)	SB-5	43	SB-5g	42	ND	ND	ND	ND	ND	ND	ND
			SB-5k	68	ND	ND	ND	ND	ND	ND	ND
	SB-6	43	SB-6g	42	ND	ND	ND	ND	ND	ND	ND
			SB-6k	68	ND	ND	ND	ND	ND	ND	ND
	SB-7	44	SB-7g	42	21	28	0.09	0.46	0.17	0.96	0.02
			SB-7k	68	5	ND	ND	ND	ND	ND	ND
	SB-8	43	SB-8g	42	ND	ND	ND	ND	ND	ND	ND
			SB-8i	68	4	ND	ND	ND	ND	ND	ND
	SB-9	42	SB-9g	42	4	ND	ND	ND	ND	ND	ND
Laboratory's Practical Quantitation Limits:					1.0	0.5	0.005	0.005	0.005	0.01	0.005
Monterey County Action Levels:					100	100	0.1	0.1	1	1	0.05
Soil and Groundwater Investigation Weber, Hayes and Associates (July 29, 1998)	SB-1	42	SB-1e**	30	--	5,800	3	75	57	190	15
			SB-1j	50	--	1,100	2	75	26	130	20
			SB-1m	62	--	12	1.5	1.8	0.25	1.3	1.3
	SB-2	42	SB-2c	32	--	1,200	1.1	18	16	60	0.5
			SB-2f	60	--	ND	ND	ND	ND	ND	0.02
	SB-3	41	SB-3e	52	ND	ND	0.04	ND	ND	ND	1.7
			SB-3f	60	ND	ND	0.012	ND	ND	0.07	0.05
	SB-4	42	SB-4e	52	1,100	1,400	3	40	18	84	13
			SB-4f	60	3	4	0.5	0.4	0.086	0.5	0.1
Tank Removal & Excavation by Don Chaipin Company (April 1998)	Tank #1 @ fill	--	2a	24	--	ND	ND	ND	ND	ND	1.4
	Tank #2 @ fill	--	4a	25	--	5,200	78	420	95	480	220
	Tank #3 @ fill	--	6a	24	ND	--	--	--	--	--	--
	Tank #3 @ sidewall	--	10	12	ND	--	--	--	--	--	--
	Tank #3 @ sidewall	--	11	12	ND	--	--	--	--	--	--
	Island	--	12	10	ND	ND	ND	ND	ND	ND	4
	Island	--	13	25	1,600	4,900	68	270	88	390	92
	Island/Tank #1	--	14	26	--	13,000	170	720	230	1,100	ND
	Tank #1 sidewall	--	15	14	--	35	1.1	0.44	0.61	2.7	61
	Island/sidewall	--	16	14	ND	ND	0.6	3	0.65	3.9	130
	Tank #2 Sidewall	--	17	12	--	ND	ND	ND	ND	ND	0.6
Laboratory's Practical Quantitation Limits:					1.0	0.5	0.005	0.005	0.005	0.01	0.005
Monterey County Action Levels:					100	100	0.1	0.1	1	1	0.05

NOTES:

All concentrations are milligrams per Kilogram (mg/Kg), parts per million (ppm)

ND: Not detected at or above the laboratory's practical quantitation limit

<X: Not detected at or above the elevated detection limit X, detection limit raised due to sample dilution.

MTBE: Methyl-tert-Butyl Ether

bgs: below ground surface

*: No soil samples were collected in MW-2, & 3 because the extent of contamination in the vicinity of these wells was defined in our Additional Soil and Groundwater Investigation (October 6 and 7, 1998, Report Dated November 19, 1998)

** : Compare SB-1e to CB-1a (7/28/04) for confirmation boring after SVE cleanup

***: Compare S-1i to CB-2a (7/28/04) for confirmation boring after SVE cleanup

Table 2: Summary of Groundwater Elevation and Analytical Data

Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California

Weber, Hayes and Associates Project Number H8029

Monitoring Point Information			Date Sampled	Depth to Groundwater (feet, TOC)	Groundwater Elevation (feet, NGVD)	Laboratory Analytical Results										Field Measurements	
Well I.D.	TOC Elevation (feet, NGVD)	Screen Interval (feet, bgs)				Total Petroleum Hydrocarbons		Volatile Organic Compounds							Total Lead	Dissolved Oxygen (mg/L)	Redox Potential (ORP) (mV)
						Diesel (ug/L)	Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	Fuel Oxygenates (ug/L)				
MW-1	204.57	40-60	05/31/05	DRY	--	--	--	--	--	--	--	--	--	--	--	--	
	206.26	40-60	03/15/05	DRY	--	--	--	--	--	--	--	--	--	--	--	--	
			11/23/04	DRY	--	--	--	--	--	--	--	--	--	--	--		
			09/28/04	DRY	--	--	--	--	--	--	--	--	--	--	--		
			05/19/04	DRY	--	--	--	--	--	--	--	--	--	--	--		
			03/16/04	DRY	--	--	--	--	--	--	--	--	--	--	--		
			11/14/03	DRY	--	--	--	--	--	--	--	--	--	--	--		
			09/09/03	DRY	--	--	--	--	--	--	--	--	--	--	--		
			06/10/03	DRY	--	--	--	--	--	--	--	--	--	--	--		
			04/01/03	DRY	--	--	--	--	--	--	--	--	--	--	--		
			12/05/02	DRY	--	--	--	--	--	--	--	--	--	--	--		
			08/15/02	DRY	--	--	--	--	--	--	--	--	--	--	--		
			06/06/02	DRY	--	--	--	--	--	--	--	--	--	--	--		
			03/07/02	DRY	--	--	--	--	--	--	--	--	--	--	--		
			02/12/02	DRY	--	--	--	--	--	--	--	--	--	--	--		
			12/07/01	DRY	--	--	--	--	--	--	--	--	--	--	--		
			09/06/01	DRY	--	--	--	--	--	--	--	--	--	--	--		
			06/06/01	DRY	--	--	--	--	--	--	--	--	--	--	--		
			02/13/01	52.93	153.33	**13,000	79,000	14,000	7,600	1,500	6,300	***40,000	ND	--	0.10	--	
			12/07/00	50.48	155.78	**4,200	63,000	7,700	4,000	890	4,100	***18,000	ND	--	0.60	--	
			09/19/00	50.48	155.78	**6,600	66,000	11,000	12,000	1,100	5,100	14,000	ND	--	1.00	--	
			06/01/00	45.60	160.66	**2,000	17,000	1,600	2,600	430	2,400	550	ND	ND	NA	--	
			02/02/00	50.47	155.79	**2,100	38,000	7,800	5,700	840	4,000	6,200	ND	ND	1.50	--	
			11/17/99	49.12	157.14	**750	5,500	580	780	120	590	170	ND	28	0.50	--	
			09/23/99	47.26	159.00	**780	4,600	480	910	93	620	130	ND	--	0.30	--	
			03/31/99	41.95	164.31	**19,000	77,000	11,000	18,000	2,200	12,000	3,800	ND	60	0.40	--	
MW-2	203.85	40-60	05/31/05	58.66	145.19	--	ND	ND	ND	ND	ND	***ND	ND	--	--	--	
	205.56	40-60	03/15/05	DRY	--	--	--	--	--	--	--	--	--	--	--	--	
			11/23/04	DRY	--	--	--	--	--	--	--	--	--	--	--		
			09/28/04	DRY	--	--	--	--	--	--	--	--	--	--	--		
			05/19/04	DRY	--	--	--	--	--	--	--	--	--	--	--		
			03/16/04	DRY	--	--	--	--	--	--	--	--	--	--	--		
			11/14/03	DRY	--	--	--	--	--	--	--	--	--	--	--		
			09/09/03	DRY	--	--	--	--	--	--	--	--	--	--	--		
			06/10/03	DRY	--	--	--	--	--	--	--	--	--	--	--		
			04/01/03	DRY	--	--	--	--	--	--	--	--	--	--	--		
			12/05/02	DRY	--	--	--	--	--	--	--	--	--	--	--		
			08/15/02	DRY	--	--	--	--	--	--	--	--	--	--	--		
			06/06/02	DRY	--	--	--	--	--	--	--	--	--	--	--		
			03/07/02	DRY	--	--	--	--	--	--	--	--	--	--	--		
			02/12/02	DRY	--	--	--	--	--	--	--	--	--	--	--		
			12/07/01	DRY	--	--	--	--	--	--	--	--	--	--	--		
			09/06/01	DRY	--	--	--	--	--	--	--	--	--	--	--		
			06/06/01	DRY	--	--	--	--	--	--	--	--	--	--	--		
			02/13/01	54.11	151.45	< 63	ND	ND	ND	ND	< 0.5	< 5	ND	--	2.50	--	
			12/07/00	52.29	153.27	< 71	ND	ND	2.4	ND	2	< 5	ND	--	1.90	--	
			09/19/00	50.78	154.78	**60	ND	ND	ND	ND	< 0.5	< 5	ND	--	1.00	--	
			06/01/00	45.75	159.81	ND	ND	ND	ND	ND	< 0.5	< 5	ND	--	NA	--	
			02/02/00	50.84	154.72	ND	ND	ND	ND	ND	< 0.5	< 5	ND	--	1.50	--	
			11/17/99	49.20	156.36	ND	ND	ND	ND	ND	< 0.5	< 5	ND	--	1.30	--	
			09/23/99	46.68	158.88	ND	ND	ND	ND	ND	< 0.5	< 5	ND	--	2.30	--	
			03/31/99	41.23	164.33	ND	180	14	5	0.9	9	6,000	ND	ND	0.30	--	

Table 2: Summary of Groundwater Elevation and Analytical Data
Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California
Weber, Hayes and Associates Project Number H8029

Monitoring Point Information			Date Sampled	Depth to Groundwater (feet, TOC)	Groundwater Elevation (feet, NGVD)	Laboratory Analytical Results										Field Measurements	
Well I.D.	TOC Elevation (feet, NGVD)	Screen Interval (feet, bgs)				Total Petroleum Hydrocarbons		Volatile Organic Compounds							Total Lead (ug/L)	Dissolved Oxygen (mg/L)	Redox Potential (ORP) (mV)
						Diesel (ug/L)	Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	Fuel Oxygenates (ug/L)				
MW-3	201.95	40-60	05/31/05	DRY	--	--	--	--	--	--	--	--	--	--	--	--	
	203.62		03/15/05	DRY	--	--	--	--	--	--	--	--	--	--	--	--	
			11/23/04	DRY	--	--	--	--	--	--	--	--	--	--	--	--	
			09/28/04	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
			05/19/04	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
			03/16/04	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
			11/14/03	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
			09/09/03	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
			06/10/03	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
			04/01/03	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/05/02	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
			08/15/02	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
			06/06/02	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
			03/07/02	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
			02/12/02	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
			12/07/01	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
			09/06/01	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
			06/06/01	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
			02/13/01	52.50	151.12	**180	130	13	3	ND	1.8	***56	ND	--	1.80	--	--
			12/07/00	50.62	153.00	< 59	130	7.1	0.62	ND	< 0.5	***9.2	ND	--	1.10	--	--
			09/19/00	49.21	154.41	**77	390	4.6	0.71	ND	< 0.5	31	ND	--	1.00	--	--
			06/01/00	43.29	160.33	ND	170	16	0.64	ND	< 0.5	19	ND	ND	NA	--	--
			02/02/00	49.21	154.41	ND	ND	ND	ND	ND	< 0.5	49	ND	ND	1.90	--	--
			11/17/99	47.57	156.05	ND	ND	ND	ND	ND	< 0.5	7	ND	34	1.00	--	--
			09/23/99	45.08	158.54	ND	** 81	8.7	ND	ND	< 0.5	8.2	ND	--	0.90	--	--
	* 203.82		03/31/99	39.83	163.99	ND	750	17	2	ND	3	< 5	ND	90	0.30	--	--
MW-4	204.87	30-45	05/31/05	DRY	--	--	--	--	--	--	--	--	--	--	--	--	
			03/15/05	DRY	--	--	--	--	--	--	--	--	--	--	--	--	
			11/23/04	DRY	--	--	--	--	--	--	--	--	--	--	--	--	
			09/28/04	DRY	--	--	--	--	--	--	--	--	--	--	--	--	
			05/19/04	DRY	--	--	--	--	--	--	--	--	--	--	--	--	
			03/16/04	DRY	--	--	--	--	--	--	--	--	--	--	--	--	
			11/14/03	DRY	--	--	--	--	--	--	--	--	--	--	--	--	
			09/09/03	DRY	--	--	--	--	--	--	--	--	--	--	--	--	
			06/10/03	DRY	--	--	--	--	--	--	--	--	--	--	--	--	
			04/01/03	DRY	--	--	--	--	--	--	--	--	--	--	--	--	
			12/05/02	DRY	--	--	--	--	--	--	--	--	--	--	--	--	
			08/15/02	DRY	--	--	--	--	--	--	--	--	--	--	--	--	
			06/06/02	DRY	--	--	--	--	--	--	--	--	--	--	--	--	
			03/07/02	DRY	--	--	--	--	--	--	--	--	--	--	--	--	
			02/12/02	DRY	--	--	--	--	--	--	--	--	--	--	--	--	
			12/07/01	DRY	--	--	--	--	--	--	--	--	--	--	--	--	
			09/06/01	DRY	--	--	--	--	--	--	--	--	--	--	--	--	
			06/06/01	DRY	--	--	--	--	--	--	--	--	--	--	--	--	

Table 2: Summary of Groundwater Elevation and Analytical Data

Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California

Weber, Hayes and Associates Project Number H8029

Monitoring Point Information			Date Sampled	Depth to Groundwater (feet, TOC)	Groundwater Elevation (feet, NGVD)	Laboratory Analytical Results										Field Measurements	
Well I.D.	TOC Elevation (feet, NGVD)	Screen Interval (feet, bgs)				Total Petroleum Hydrocarbons		Volatile Organic Compounds							Total Lead (ug/L)	Dissolved Oxygen (mg/L)	Redox Potential (ORP) (mV)
						Diesel (ug/L)	Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	Fuel Oxygenates (ug/L)				
MW-5	202.12	60 - 80'	05/31/05	73.55	128.57	--	ND	ND	ND	ND	1.2	***ND	ND	--	♦7.68	♦269	
			03/15/05	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
			11/23/04	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
			09/28/04	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
			05/19/04	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
			03/16/04	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
			11/14/03	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
			09/09/03	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
			06/10/03	81.62	120.50	--	ND	ND	ND	ND	ND	***ND	ND	--	3.94	138	
			04/17/03	81.36	120.76	--	ND	ND	ND	ND	ND	***ND	ND	--	4.11	151	
			04/01/03	81.41	120.71	--	82	1.0	3.3	1.0	2.5	***ND	ND	--	4.24	141	
			12/05/02	78.30	123.82	--	ND	1.3	ND	ND	ND	***ND	ND	--	4.72	413	
			08/15/02	71.91	130.21	--	ND	ND	ND	ND	ND	***< 5	ND	--	4.82	407	
			06/06/02	68.96	133.16	--	ND	ND	ND	ND	ND	***< 5	ND	--	5.80	372	
			03/07/02	65.01	137.11	--	--	--	--	--	--	--	--	--	--	--	--
			02/12/02	66.37	135.75	--	ND	ND	ND	ND	< 0.5	***< 5	ND	--	3.40	--	--
MW-6	179.51	40 - 60'	05/31/05	52.70	126.81	--	43	ND	2.1	2.6	16	***ND	ND	--	♦8.85	♦248	
			03/15/05	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
			11/23/04	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
			09/28/04	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
			05/19/04	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
			03/16/04	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
			11/14/03	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
			09/09/03	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
			06/10/03	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
			04/01/03	61.20	118.31	--	ND	ND	ND	ND	ND	***ND	ND	--	2.76	171	
			12/05/02	59.21	120.30	--	ND	ND	ND	ND	ND	***ND	ND	--	6.05	398	
			08/15/02	51.89	127.62	--	ND	ND	ND	ND	ND	***< 5	ND	--	6.13	402	
			06/06/02	46.49	133.02	--	ND	ND	ND	ND	ND	***< 5	ND	--	6.79	385	
			03/07/02	43.57	135.94	--	--	--	--	--	--	--	--	--	--	--	--
			02/12/02	43.72	135.79	--	ND	ND	ND	ND	< 0.5	***< 5	ND	--	4.80	--	--
			MW-7	177.88	93 - 113'	05/31/05	62.33	115.55	--	38	ND	2.5	2.2	13	***ND	ND	--
03/15/05	75.90	101.98				--	****210	19	14	10	49	***ND	ND	--	4.80	189	
11/23/04	85.16	92.72				--	****ND	ND	ND	ND	ND	***ND	ND	--	4.80	189	
09/28/04	86.05	91.83				--	****ND	2.8	ND	ND	ND	***ND	ND	--	4.80	189	
05/19/04	82.44	95.44				--	ND	ND	ND	ND	ND	***ND	ND	--	4.80	189	
03/16/04	77.12	100.76				--	ND	ND	ND	ND	ND	***ND	ND	--	4.80	189	
11/21/03	--	--				--	ND	ND	ND	ND	ND	***ND	ND	--	NA	NA	
11/14/03	79.47	98.41				--	--	--	--	--	--	--	--	--	NA	NA	
09/09/03	80.01	97.87				--	ND	ND	ND	ND	ND	***ND	ND	--	NA	NA	
06/10/03	67.43	110.45				--	ND	ND	ND	ND	ND	***ND	ND	--	3.24	127	
04/01/03	66.88	111.00				--	ND	ND	ND	ND	ND	***ND	ND	--	3.18	138	
12/05/02	65.10	112.78				--	ND	ND	ND	ND	ND	***ND	ND	--	3.21	413	
08/15/02	61.48	116.40				--	ND	ND	ND	ND	ND	***< 5	ND	--	3.17	405	
06/06/02	57.57	120.31				--	ND	ND	ND	ND	ND	***< 5	ND	--	2.82	383	
03/07/02	47.68	130.20				--	ND	ND	ND	ND	< 0.5	***< 5	***TBA: 41	--	4.10	--	
02/13/02	46.79	131.09				--	150	ND	1	ND	1.2	***< 5	ND	--	4.00	--	--
PW-1		? - 235	Total Depth = 235 feet. Well properly destroyed 11/15/01.														
			06/26/01 (a)	--	--	--	ND	ND	ND	ND	< 0.5	***10.0	ND	--	--	--	
			06/26/01 (b)	--	--	--	ND	ND	ND	ND	< 0.5	***9.4	ND	--	--	--	
			06/26/01 (c)	--	--	--	ND	ND	ND	ND	< 0.5	***9.1	ND	--	--	--	
			06/06/01	--	--	--	ND	ND	ND	ND	< 0.5	***21	ND	--	--	--	
			06/01/00	--	--	--	< 57	ND	ND	ND	ND	< 0.5	< 5	ND	--	--	--
			11/17/99	--	--	--	**80	ND	ND	ND	< 0.5	< 5	ND	--	--		

Table 2: Summary of Groundwater Elevation and Analytical Data

Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, California

Weber, Hayes and Associates Project Number H8029

Monitoring Point Information			Date Sampled	Depth to Groundwater (feet, TOC)	Groundwater Elevation (feet, NGVD)	Laboratory Analytical Results										Field Measurements	
Well I.D.	TOC Elevation (feet, NGVD)	Screen Interval (feet, bgs)				Total Petroleum Hydrocarbons		Volatile Organic Compounds							Total Lead	Dissolved Oxygen (mg/L)	Redox Potential (ORP) (mV)
						Diesel (ug/L)	Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	Fuel Oxygenates (ug/L)				
PW-4	166.14	152 - 205 228 - 248 343 - 438 497 - 538	Total Depth = 538 feet												--	--	--
			05/31/05	--	--	--	ND	ND	ND	ND	ND	***ND	ND	--	--	--	
			03/15/05	--	--	--	****ND	ND	ND	ND	ND	ND	***ND	ND	--	--	--
			09/28/04	--	--	--	****ND	ND	ND	ND	ND	ND	***ND	ND	--	--	--
			05/19/04	--	--	--	ND	ND	ND	ND	ND	ND	***ND	ND	--	--	--
			03/16/04	--	--	--	ND	ND	ND	ND	ND	ND	***1.9	ND	--	--	--
			11/14/03	--	--	--	ND	ND	ND	ND	ND	ND	***ND	ND	--	--	--
			09/09/03	--	--	--	ND	ND	ND	ND	ND	ND	***ND	ND	--	--	--
			06/10/03	--	--	--	ND	ND	ND	ND	ND	ND	***ND	ND	--	--	--
			04/17/03	--	--	--	--	--	--	--	--	--	***ND	ND	--	--	--
			04/01/03	--	--	--	ND	ND	ND	ND	ND	ND	***1.0	ND	--	--	--
			12/05/02	--	--	--	ND	ND	ND	ND	ND	ND	***ND	ND	--	--	--
			08/15/02	--	--	--	ND	ND	ND	ND	ND	ND	***< 5	ND	--	--	--
			04/15/02	--	--	--	ND	ND	ND	ND	ND	ND	***< 5	ND	--	--	--
			03/07/02	--	--	--	ND	ND	ND	ND	ND	< 0.5	***< 5	ND	--	--	--
			02/12/02	--	--	--	ND	ND	ND	ND	ND	< 0.5	***< 5	ND	--	--	--
			01/10/02	--	--	--	ND	ND	ND	ND	ND	< 0.5	***< 5	ND	--	--	--
			12/07/01	--	--	--	ND	ND	ND	ND	ND	< 0.5	***1.5	ND	--	--	--
			09/06/01	--	--	--	ND	ND	ND	ND	ND	< 0.5	***< 5	ND	--	--	--
			06/26/01	--	--	--	ND	ND	ND	ND	ND	< 0.5	< 5	ND	--	--	--
			06/01/00	--	--	ND	ND	ND	ND	ND	ND	< 0.5	< 5	ND	--	--	--
			11/17/99	--	--	ND	ND	ND	ND	ND	ND	< 0.5	< 5	ND	--	--	--
PW-5	177.87	205 - 345	Total Depth = 345 feet											--	--	--	
			05/31/05	--	--	--	ND	ND	ND	ND	ND	ND	***ND	ND	--	--	--
			03/15/05	--	--	--	****ND	ND	ND	ND	ND	ND	***ND	ND	--	--	--
			09/28/04	--	--	--	****ND	ND	ND	ND	ND	ND	***ND	ND	--	--	--
			05/19/04	--	--	--	ND	ND	ND	ND	ND	ND	***ND	ND	--	--	--
			03/16/04	--	--	--	ND	ND	ND	ND	ND	ND	***1.8	ND	--	--	--
			11/14/03	--	--	--	ND	ND	ND	ND	ND	ND	***ND	ND	--	--	--
			09/09/03	--	--	--	ND	ND	ND	ND	ND	ND	***ND	ND	--	--	--
			06/10/03	--	--	--	ND	ND	ND	ND	ND	ND	***ND	ND	--	--	--
			04/01/03	--	--	--	ND	ND	ND	ND	ND	ND	***ND	ND	--	--	--
			12/05/02	--	--	--	ND	ND	ND	ND	ND	ND	***ND	ND	--	--	--
			08/15/02	--	--	--	ND	ND	ND	ND	ND	ND	***< 5	ND	--	--	--
			04/15/02	--	--	--	ND	ND	ND	ND	ND	ND	***< 5	ND	--	--	--
			03/07/02	--	--	--	ND	ND	ND	ND	ND	< 0.5	***< 5	ND	--	--	--
			02/12/02	--	--	--	ND	ND	ND	ND	ND	< 0.5	***< 5	ND	--	--	--
			01/10/02	--	--	--	ND	ND	ND	ND	ND	< 0.5	***6.1	ND	--	--	--
			12/07/01	--	--	--	ND	ND	ND	ND	ND	< 0.5	***3.27	ND	--	--	--
			09/06/01	--	--	--	ND	ND	ND	ND	ND	< 0.5	***8.7	ND	--	--	--
			06/26/01	--	--	--	ND	ND	ND	ND	ND	< 0.5	< 5	ND	--	--	--
			06/01/00	--	--	ND	ND	ND	ND	ND	ND	< 0.5	< 5	ND	--	--	--
			11/17/99	--	--	ND	ND	ND	ND	ND	ND	< 0.5	< 5	ND	--	--	--
			PW-6	??	260 - 500	Total Depth = 500 feet											--
05/31/05	--	--				--	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--
03/30/05	--	--				--	****ND	ND	ND	ND	ND	ND	ND	ND	--	--	--
10/08/04	--	--				--	****ND	ND	ND	ND	ND	ND	ND	ND	--	--	--
05/19/04	--	--				--	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--
03/25/04	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--		
PW-7	??	200 - 340	05/16/05	--	--	--	ND	ND	9.2	ND	ND	--	--	--	--		
PW-8	??	200 - 340	05/31/05	--	--	--	ND	ND	ND	ND	ND	***4.3	ND	--	--	--	
			05/16/05	--	--	--	*****10	ND	4.1	ND	ND	***15	--	--	--	--	

Weber, Hayes and Associates Project Number H8029

Weber, Hayes Associates

Table 3: Summary of Petroleum Hydrocarbon Concentrations in Extracted and Treated Air
Chemical Lime Natividad Quarry, 11771 Old stage Road, Salinas, Ca.
Weber, Hayes, and Associates Project H8029

DATE	Analyte	Extracted (Raw) Air				Total Mass Extracted (lb/day)	Averaging period (days)	Total Mass Extracted Over Period (lbs.)	Total mass Extracted to Date (lbs.)	Between Carbon Canners				Stack Emissions				Total Mass Emitted (lb/day)	Percent Reduction	Percent Benzene (B/TPH-g)
		Temp (oF)	Flow rate (CFM)	Concentration						Temp (oF)	Flow rate (CFM)	Concentration		Temp (oF)	Flow Rate (CFM)	Concentration				
				(ug/L)(mg/m3)	(ppmv)							(ug/L)(mg/m3)	(ppmv)			(ug/L)(mg/m3)	(ppmv)			
8/4/2004	TPH-g	74	153	--	11	0.7	31	22	43,092	90	297	--	25	84	297	--	17	2.098	-54.55%	1.09%
	Benzene	--	--	--	0.12	0.0	--	--	--	--	--	--	0.12	--	--	--	0.55	0.048	-358.33%	--
	Toluene	--	--	--	0.27	0.0	7/31/2004	--	--	--	--	--	0.43	--	--	--	0.79	0.081	-192.59%	--
	Ethylbenzene	--	--	--	0.090	0.0	to	--	--	--	--	--	0.22	--	--	--	< 0.02	0.002	77.78%	--
	Xylenes	--	--	--	0.92	0.1	8/31/2004	--	--	--	--	--	2.6	--	--	--	< 0.05	0.006	94.57%	--
	MBE	--	--	--	0.41	0.0	--	--	--	--	--	--	< 0.75	--	--	--	0.76	0.074	-85.37%	--
7/7/2004	TPH-g	66	174	--	17.1	1.2	31	38	43,071	87	297	--	14.1	80	297	--	2.99	0.369	82.51%	0.99%
	Benzene	--	--	--	0.170	0.0	--	--	--	--	--	--	0.120	--	--	--	0.08	0.007	52.94%	--
	Toluene	--	--	--	0.400	0.0	6/30/2004	--	--	--	--	--	0.330	--	--	--	0.07	0.007	82.50%	--
	Ethylbenzene	--	--	--	0.120	0.0	to	--	--	--	--	--	0.110	--	--	--	< 0.02	0.002	83.33%	--
	Xylenes	--	--	--	1.23	0.1	7/31/2004	--	--	--	--	--	1.32	--	--	--	< 0.05	0.006	95.93%	--
	MBE	--	--	--	0.44	0.0	--	--	--	--	--	--	0.35	--	--	--	< 0.3	0.029	31.82%	--
6/3/2004	TPH-g	64	110	--	19.0	0.9	30	26	43,032	98	231	--	23.0	83	231	--	13.0	1.248	31.58%	0.95%
	Benzene	--	--	--	0.180	0.0	--	--	--	--	--	--	0.110	--	--	--	0.410	0.028	-127.78%	--
	Toluene	--	--	--	0.540	0.0	5/31/2004	--	--	--	--	--	0.480	--	--	--	< 0.03	0.002	94.44%	--
	Ethylbenzene	--	--	--	0.190	0.0	to	--	--	--	--	--	0.280	--	--	--	< 0.02	0.002	89.47%	--
	Xylenes	--	--	--	2.20	0.1	6/30/2004	--	--	--	--	--	3.80	--	--	--	< 0.05	0.005	97.73%	--
	MBE	--	--	--	0.60	0.0	--	--	--	--	--	--	< 0.75	--	--	--	2.5	0.190	-316.67%	--
5/6/2004	TPH-g	73	153	--	4.20	0.3	31	8	43,006	100	231	--	34.1	90	231	--	2.30	0.221	45.24%	1.19%
	Benzene	--	--	--	0.050	0.0	--	--	--	--	--	--	0.230	--	--	--	< 0.0313	0.002	37.40%	--
	Toluene	--	--	--	0.110	0.0	4/30/2004	--	--	--	--	--	1.00	--	--	--	< 0.0266	0.002	75.82%	--
	Ethylbenzene	--	--	--	0.040	0.0	to	--	--	--	--	--	0.420	--	--	--	< 0.023	0.002	42.50%	--
	Xylenes	--	--	--	0.370	0.0	5/31/2004	--	--	--	--	--	5.80	--	--	--	< 0.046	0.004	87.57%	--
	MBE	--	--	--	< 0.2778	< 0.0	--	--	--	--	--	--	< 1.389	--	--	--	< 0.2778	0.021	0.00%	--
4/22/2004	TPH-g	94	153	--	11.3	0.7	30	22	42,998	106	244	--	51.5	100	244	--	3.60	0.365	68.14%	1.06%
	Benzene	--	--	--	0.120	0.0	--	--	--	--	--	--	0.340	--	--	--	0.050	0.004	58.33%	--
	Toluene	--	--	--	0.340	0.0	3/31/2004	--	--	--	--	--	1.63	--	--	--	< 0.0266	0.002	92.18%	--
	Ethylbenzene	--	--	--	0.110	0.0	to	--	--	--	--	--	0.860	--	--	--	< 0.023	0.002	79.99%	--
	Xylenes	--	--	--	1.02	0.1	4/30/2004	--	--	--	--	--	9.32	--	--	--	< 0.046	0.004	95.49%	--
	MBE	--	--	--	< 0.6945	< 0.0	--	--	--	--	--	--	< 1.389	--	--	--	0.77	0.062	-10.87%	--
3/22/2004	TPH-g	80	153	--	18.5	1.2	31	36	42,976	100	253	--	38.4	88	253	--	< 2.145	0.226	88.41%	0.97%
	Benzene	--	--	--	0.180	0.0	--	--	--	--	--	--	0.380	--	--	--	< 0.0313	0.002	82.61%	--
	Toluene	--	--	--	0.585	0.0	2/29/2004	--	--	--	--	--	2.39	--	--	--	< 0.0266	0.002	95.45%	--
	Ethylbenzene	--	--	--	0.181	0.0	to	--	--	--	--	--	0.730	--	--	--	< 0.023	0.002	87.29%	--
	Xylenes	--	--	--	1.751	0.1	3/31/2004	--	--	--	--	--	4.686	--	--	--	< 0.046	0.005	97.37%	--
	MBE	--	--	--	< 0.6945	< 0.0	--	--	--	--	--	--	1.1	--	--	--	< 0.2778	0.023	60.00%	--
2/12/2004	TPH-g	76	153	--	19.0	1.2	29	35	42,940	77	279	--	22.0	67	279	--	< 2.145	0.249	88.71%	0.95%
	Benzene	--	--	--	0.180	0.0	--	--	--	--	--	--	0.530	--	--	--	< 0.0313	0.003	82.61%	--
	Toluene	--	--	--	0.550	0.0	1/31/2004	--	--	--	--	--	0.720	--	--	--	< 0.0266	0.003	95.16%	--
	Ethylbenzene	--	--	--	0.180	0.0	to	--	--	--	--	--	0.140	--	--	--	< 0.006	0.001	96.67%	--
	Xylenes	--	--	--	1.720	0.1	2/29/2004	--	--	--	--	--	1.350	--	--	--	< 0.046	0.005	97.33%	--
	MBE	--	--	--	< 0.6945	0.0	--	--	--	--	--	--	1.3	--	--	--	< 0.2778	0.026	60.00%	--
1/15/2004	TPH-g	63	174	--	5.1	0.4	31	11	42,905	80	297	--	9.80	72	297	--	< 2.145	0.265	57.94%	0.61%
	Benzene	--	--	--	< 0.0313	0.0	--	--	--	--	--	--	0.170	--	--	--	< 0.0313	0.003	0.00%	--
	Toluene	--	--	--	0.120	0.0	12/31/2003	--	--	--	--	--	0.360	--	--	--	< 0.0266	0.003	77.83%	--
	Ethylbenzene	--	--	--	0.050	0.0	to	--	--	--	--	--	0.070	--	--	--	< 0.006	0.001	88.00%	--
	Xylenes	--	--	--	9.630	0.7	1/31/2004	--	--	--	--	--	0.130	--	--	--	< 0.046	0.005	99.52%	--
	MBE	--	--	--	< 0.2778	0.0	--	--	--	--	--	--	1.2	--	--	--	< 0.2778	0.027	0.00%	--

Table 3: Summary of Petroleum Hydrocarbon Concentrations in Extracted and Treated Air
Chemical Lime Natividad Quarry, 11771 Old stage Road, Salinas, Ca.
Weber, Hayes, and Associates Project H8029

DATE	Analyte	Extracted (Raw) Air					Total Mass Extracted (lb/day)	Averaging period (days)	Total Mass Extracted Over Period (lbs.)	Total mass Extracted to Date (lbs.)	Between Carbon Canisters				Stack Emissions				Total Mass Emitted (lb/day)	Percent Reduction	Percent Benzene (B/TPH-g)	
		Temp (oF)	Flow rate (CFM)	Concentration		Temp (oF)					Flow rate (CFM)	Concentration		Temp (oF)	Flow Rate (CFM)	Concentration						
				(ug/L)(mg/m3)	(ppmv)							(ug/L)(mg/m3)	(ppmv)			(ug/L)(mg/m3)	(ppmv)					
12/4/2003	TPH-g	59	174	--	28.3		2.0	31	63	42,893	76	297	--	< 2.145	64	297	--	< 2.145	0.265	92.42%	1.06%	
	Benzene			--	0.300		0.0						--	< 0.0313			--	< 0.0313	0.003	89.57%		
	Toluene			--	1.02		0.1	11/30/2003					--	< 0.0266			--	< 0.0266	0.003	97.39%		
	Ethylbenzene			--	0.310		0.0	to					--	< 0.006			--	< 0.006	0.001	98.06%		
	Xylenes			--	2.93		0.2	12/31/2003					--	< 0.046			--	< 0.046	0.005	98.43%		
	MIBE			--	0.89		0.1						--	< 0.2778			--	< 0.2778	0.027	68.79%		
11/5/2003	TPH-g	64	174	--	22.0		1.6	30	48	42,830	80	297	--	< 2.145	70	297	--	< 2.145	0.265	90.25%	1.09%	
	Benzene			--	0.240		0.0						--	< 0.0313			--	< 0.0313	0.003	86.96%		
	Toluene			--	0.830		0.0	10/31/2003					--	< 0.0266			--	< 0.0266	0.003	96.80%		
	Ethylbenzene			--	0.260		0.0	to					--	< 0.006			--	< 0.006	0.001	97.69%		
	Xylenes			--	2.31		0.2	11/30/2003					--	< 0.046			--	< 0.046	0.005	98.01%		
	MIBE			--	0.59		0.0						--	< 0.2778			--	< 0.2778	0.027	52.92%		
10/9/2003	TPH-g	63	209	--	23.9		2.1	31	64	42,782	80	244	--	< 2.145	72	244	--	< 2.145	0.218	91.03%	1.38%	
	Benzene			--	0.330		0.0						--	< 0.0313			--	< 0.0313	0.002	90.52%		
	Toluene			--	1.14		0.1	9/30/2003					--	< 0.0266			--	< 0.0266	0.002	97.87%		
	Ethylbenzene			--	0.310		0.0	to					--	< 0.023			--	< 0.023	0.002	92.58%		
	Xylenes			--	1.08		0.1	10/31/2003					--	< 0.046			--	< 0.046	0.004	95.74%		
	MIBE			--	1.1		0.1						--	< 0.2778			--	< 0.2778	0.022	74.75%		
9/17/2003	TPH-g	81	192	--	8.3		0.7	30	20	42,718	85	297	--	36.1	82	297	--	25.9	3.197	-212.05%	1.57%	
	Benzene			--	0.13		0.0						--	0.34			--	0.47	0.041	-261.54%		
	Toluene			--	0.47		0.0	8/31/2003					--	1.3			--	3.85	0.395	-719.15%		
	Ethylbenzene			--	0.12		0.0	to					--	0.45			--	0.60	0.071	-400.00%		
	Xylenes			--	1.02		0.1	9/30/2003					--	4.54			--	1.91	0.226	-87.25%		
	MIBE			--	0.4		0.0						--	0.84			--	0.76	0.074	-90.00%		
8/21/2003	TPH-g	68	209	--	31.3		2.7	31	84	42,698	84	297	--	69.1	80	297	--	27.3	3.370	12.78%	1.60%	
	Benzene			--	0.5		0.0						--	0.54			--	0.98	0.085	-96.00%		
	Toluene			--	1.74		0.1	7/31/2003					--	2.5			--	3.32	0.332	-86.21%		
	Ethylbenzene			--	0.47		0.0	to					--	1.1			--	< 0.0575	< 0.007	87.77%		
	Xylenes			--	4.1		0.3	8/31/2003					--	10.5			--	< 0.1725	< 0.020	95.79%		
	MIBE			--	1.2		0.1						--	1.4			--	2.6	0.254	-116.67%		
7/10/2003	TPH-g	78	192	--	120		29	31	72	42,614	86	314	--	310	80	314	--	12	3	0.382	90.00%	1.25%
	Benzene			--	1.5		0.0						--	0.72			--	0.11	0.03	< 0.003		
	Toluene			--	5.5		0.1	6/30/2003					--	14.0			--	< 0.1	< 0.03	< 0.003		
	Ethylbenzene			--	1.4		0.0	to					--	6.9			--	< 0.1	< 0.02	< 0.003		
	Xylenes			--	10.5		0.2	7/31/2003					--	15.6			--	0.21	0.05	0.006		
	MIBE			--	4.9		0.1						--	1.5			--	2.5	0.69	0.072		
6/10/2003	TPH-g	70	231	--	150		37	30	105	42,541	79	279	--	200	75	279	--	43	10	71.33%	1.27%	
	Benzene			--	1.9		0.0						--	1.66			--	< 0.1	< 0.03	< 0.003		
	Toluene			--	8		0.2	5/31/2003					--	24.0			--	< 0.1	< 0.03	< 0.003		
	Ethylbenzene			--	2.2		0.0	to					--	1.8			--	< 0.1	< 0.02	< 0.003		
	Xylenes			--	18.8		0.4	6/30/2003					--	12.1			--	< 0.3	< 0.07	< 0.008		
	MIBE			--	5.6		0.1						--	10.0			--	< 1	< 0.28	< 0.025		
5/6/2003	TPH-g	72	279	--	210		51	31	184	42,436	74	279	--	45	71	279	--	21	5	0.594	90.00%	1.05%
	Benzene			--	2.2		0.7						--	0.30			--	< 0.1	< 0.03	< 0.003		
	Toluene			--	10		0.3	4/30/2003					--	< 0.1			--	< 0.1	< 0.03	< 0.003		
	Ethylbenzene			--	3.4		0.1	to					--	< 0.1			--	< 0.1	< 0.02	< 0.003		
	Xylenes			--	24.3		0.6	5/31/2003					--	< 0.3			--	< 0.3	< 0.07	< 0.008		
	MIBE			--	5.4		0.1						--	1.7			--	< 1	< 0.28	< 0.025		
4/23/2003	TPH-g	61	288	--	210		51	27	166	42,252	70	288	--	28	68	288	--	< 10	< 2	< 0.292	95.24%	0.90%
	Benzene			--	1.9		0.6						--	0.10			--	< 0.1	< 0.03	< 0.003		
	Toluene			--	8.5		0.2	4/3/2003					--	0.30			--	< 0.1	< 0.03	< 0.003		
	Ethylbenzene			--	2.4		0.1	to					--	0.90			--	< 0.1	< 0.02	< 0.003		
	Xylenes			--	18.4		0.5	4/30/2003					--	1.60			--	< 0.3	< 0.07	< 0.008		
	MIBE			--	5.0		0.1						--	0.3			--	< 1	< 0.28	< 0.026		
3/25/2003	TPH-g	60	288	--	220		54	25	161	42,086	60	288	--	69	48	288	--	100	24	2.920	54.55%	0.95%
	Benzene			--	2.1		0.7						--	1.4			--	2.1	0.66	0.055		
	Toluene			--	9.5		0.3	2/28/2003					--	6.9			--	1.3	0.34	0.034		
	Ethylbenzene			--	2.4		0.1	to					--	2.9			--	< 0.1	< 0.02	< 0.003		
	Xylenes			--	19.7		0.5	3/25/2003					--	20.7			--	< 0.3	< 0.08	< 0.008		
	MIBE			--	6.0		0.2						--	< 1.1			--	3.7	1.03	0.097		
2/19/2003	TPH-g	58	288	--	< 10		< 2	28	8	41,926	56	288	--	< 10	52	288	--	< 10	< 2	< 0.292	0.00%	1.00%
	Benzene			--	< 0.1		< 0.0						--	< 0.1			--	< 0.1	< 0.03	< 0.003		
	Toluene			--	< 0.1		< 0.0	1/31/2003					--	< 0.1			--	< 0.1	< 0.03	< 0.003		
	Ethylbenzene			--	< 0.2		< 0.0	to					--	< 0.1			--	< 0.1	< 0.02	< 0.003		
	Xylenes			--	< 0.3		< 0.0	2/28/2003					--	< 0.3			--	< 0.3	< 0.07	< 0.008		
	MIBE			--	< 1.0		< 0.3						--	< 1.0			--	< 1	< 0.28	< 0.026		
1/27/2003	TPH-g	68	279	--	270		66	31	237	41,917	80	279	--	NA	80	297	--	< 10	< 2	< 0.301	96.30%	1.26%
	Benzene			--	3.4		1.1						--	NA			--	< 0.1	< 0.03	< 0.003		
	Toluene			--	14		0.4	12/31/2002					--	NA			--	< 0.1	< 0.03	< 0.003		
	Ethylbenzene			--	3.6		0.1	to					--	NA			--	< 0.1	< 0.02	< 0.003		
	Xylenes			--	26.8		0.7	1/31/2003					--	NA			--	< 0.3	< 0.07	< 0.008		
	MIBE			--	8.0		0.2						--	NA			--	< 0.1	< 0.03	< 0.003		

Table 3: Summary of Petroleum Hydrocarbon Concentrations in Extracted and Treated Air
Chemical Lime Natividad Quarry, 11771 Old stage Road, Salinas, Ca.
Weber, Hayes, and Associates Project H8029

DATE	Analyte	Extracted (Raw) Air				Total Mass Extracted (lb/day)	Averaging period (days)	Total Mass Extracted Over Period (lbs.)	Total mass Extracted to Date (lbs.)	Between Carbon Cannisters				Stack Emissions				Total Mass Emitted (lb/day)	Percent Reduction	Percent Benzene (B/TPH-g)
		Temp (oF)	Flow rate (CFM)	Concentration						Temp (oF)	Flow rate (CFM)	Concentration		Temp (oF)	Flow Rate (CFM)	Concentration				
				(ug/L)(mg/m3)	(ppmv)							(ug/L)(mg/m3)	(ppmv)			(ug/L)(mg/m3)	(ppmv)			
12/18/2002	TPH-g	58	127	390	95	5.0	31	156	41,681	NA	297	430	105	45	297	150	37	4,517	61.54%	0.92%
	Benzene			3.6	1.1	0.0						3.5	1.1			3.6	1.12	0.098	0.00%	
	Toluene			15	4.0	0.2	11/30/2002					12	3.2			28	7.41	0.760	-86.67%	
	Ethylbenzene			4.2	1.0	0.0	to					3.6	0.8			4.8	1.10	0.130	-14.29%	
	Xylenes			31.5	7.2	0.4	12/31/2002					31.3	7.2			26.1	6.00	0.708	17.14%	
	MBE			27.0	7.5	0.3						< 2.5	< 0.7			< 2.5	< 0.69	< 0.068	90.74%	
11/26/2002	TPH-g	70	137	480	117	6.7	30	200	41,525	--	279	74	18	90	279	74	18	2,094	84.58%	1.31%
	Benzene			6.3	2.0	0.1						0.71	0.2			2.6	0.81	0.066	58.73%	
	Toluene			2.6	0.7	0.0	10/31/2002					0.81	0.2			< 0.1	< 0.03	< 0.003	96.15%	
	Ethylbenzene			20	4.6	0.3	to					3	0.7			6.7	1.54	0.171	66.50%	
	Xylenes			237	54.5	3.0	11/30/2002					7.6	1.7			< 0.3	< 0.07	< 0.008	99.87%	
	MBE			11.0	3.1	0.1						2.1	0.6			1.1	0.31	0.028	90.00%	
10/29/2002	TPH-g	70	137	160	39	2.2	31	69	41,325	--	279	< 10	< 2	90	279				100.00%	1.19%
	Benzene			1.9	0.6	0.0						< 0.1	< 0.0						100.00%	
	Toluene			8.1	2.1	0.1	9/30/2002					< 0.1	< 0.0						100.00%	
	Ethylbenzene			2	0.5	0.0	to					< 0.1	< 0.0						100.00%	
	Xylenes			14	3.2	0.2	10/31/2002					< 0.3	< 0.1						100.00%	
	MBE			7.0	1.9	0.1						< 1.0	< 0.3						100.00%	
9/19/2002	TPH-g	88	137	680	166	9.4	30	283	41,256	--	279	< 10	< 2	90	279	< 10	< 2	< 0.283	98.53%	1.76%
	Benzene			12	3.7	0.2						< 0.1	< 0.0			< 0.1	< 0.03	< 0.003	99.17%	
	Toluene			48	12.7	0.6	8/31/2002					< 0.1	< 0.0			< 0.1	< 0.03	< 0.003	99.79%	
	Ethylbenzene			11	2.5	0.1	to					< 0.1	< 0.0			< 0.1	< 0.02	< 0.003	99.09%	
	Xylenes			101	23.2	1.3	9/30/2002					< 0.3	< 0.1			< 0.3	< 0.07	< 0.008	99.70%	
	MBE			23.0	6.4	0.3						< 1.0	< 0.3			< 0.28	< 0.025	< 0.025	95.65%	
08/20/02	TPH-g	74	196	960	234	19.1	31	591	40,973	Granular Activated Carbon Installed 9/18/02				306	196	31	8	0.616	96.77%	0.85%
	Benzene			8.2	3	0.1										< 0.1	< 0.03	< 0.002	98.78%	
	Toluene			41	11	0.7	7/31/2002					0.32	0.08			0.32	0.08	0.006	99.22%	
	Ethylbenzene			14	3	0.3	to									< 0.1	< 0.02	< 0.002	99.29%	
	Xylenes			106	24	1.9	8/31/2002									0.35	0.08	0.006	99.67%	
	MBE			< 25	< 7	< 0.4										< 1	< 0.28	< 0.018	96.00%	
07/18/02	TPH-g	80	226	1700	415	39.0	31	1,208	40,381					310	226	28	7	0.642	98.35%	0.71%
	Benzene			12	4	0.2										< 0.1	< 0.03	< 0.002	99.17%	
	Toluene			63	17	1.3	6/30/2002					0.34	0.09			0.34	0.09	0.007	99.46%	
	Ethylbenzene			23	5	0.5	to									< 0.1	< 0.02	< 0.002	99.57%	
	Xylenes			163	37	3.4	7/31/2002									0.28	0.06	0.006	99.83%	
	MBE			33	9	0.7									1.4	0.39	0.029	95.76%		
06/25/02	TPH-g	80	206	1500	366	31.3	30	940	39,173					317	206	21	5	0.439	98.60%	0.55%
	Benzene			8.2	3	0.2										< 0.1	< 0.03	< 0.002	98.78%	
	Toluene			41	11	0.8	5/31/2002									0.35	0.09	0.007	99.15%	
	Ethylbenzene			15	3	0.3	to									0.1	0.02	0.002	99.33%	
	Xylenes			108	25	2.0	6/30/2002									0.27	0.06	0.005	99.75%	
	MBE			< 25	< 7	< 0.5									1.6	0.44	0.030	93.60%		
05/14/02	TPH-g	70	347	2400	586	84.4	31	2,618	38,233					328	347	< 10	< 2	< 0.352	99.58%	0.75%
	Benzene			18	6	0.6										< 0.1	< 0.03	< 0.003	99.44%	
	Toluene			81	21	2.6	4/30/2002									0.19	0.05	0.006	99.77%	
	Ethylbenzene			35	8	1.1	to									< 0.1	< 0.02	< 0.003	99.71%	
	Xylenes			258	59	8.2	5/31/2002									< 0.3	< 0.07	< 0.010	99.88%	
	MBE			40	11	1.3									< 1	< 0.28	< 0.032	97.50%		
04/09/02	TPH-g	58	244	2100	512	52.0	30	1,559	35,615					343	244	22	5	0.544	98.95%	0.86%
	Benzene			18	6	0.4										< 0.1	< 0.03	< 0.002	99.44%	
	Toluene			89	24	2.0	3/31/2002									< 0.1	< 0.03	< 0.002	99.89%	
	Ethylbenzene			38	9	0.8	to									< 0.1	< 0.02	< 0.002	99.74%	
	Xylenes			190	44	4.2	4/30/2002									< 0.3	< 0.07	< 0.007	99.84%	
	MBE			< 50	< 14	< 1.1									< 1	< 0.28	< 0.022	98.00%		
03/07/02	TPH-g	68	420	3800	927	161.8	31	5,017	34,057					374	420	12	3	0.511	99.68%	0.66%
	Benzene			25	8	1.0										< 0.1	< 0.03	< 0.004	99.60%	
	Toluene			140	37	5.4	2/28/2002									< 0.1	< 0.03	< 0.004	99.93%	
	Ethylbenzene			74	17	2.8	to									< 0.1	< 0.02	< 0.004	99.86%	
	Xylenes			450	103	17.3	3/31/2002									< 0.3	< 0.07	< 0.012	99.93%	
	MBE			< 10	< 3	< 0.4									< 1	< 0.28	< 0.038	90.00%		
02/20/02	TPH-g	69	366	4500	1,098	167.0	24	4,008	29,040					398	366	120	29	4.454	97.33%	0.87%
	Benzene			39	12	1.3										< 0.2	< 0.06	< 0.007	99.49%	
	Toluene			200	53	6.7	2/4/2002									1.9	0.64	0.064	99.95%	
	Ethylbenzene			120	28	4.0	to									2.3	0.53	0.077	98.08%	
	Xylenes			690	159	23.1	2/28/2002									16.6	3.81	0.555	97.59%	
	MBE			72	20	2.4									< 2	< 0.55	< 0.067	97.22%		

Table 3: Summary of Petroleum Hydrocarbon Concentrations in Extracted and Treated Air
Chemical Lime Natividad Quarry, 11771 Old stage Road, Salinas, Ca.
Weber, Hayes, and Associates Project H8029

DATE	Analyte	Extracted (Raw) Air				Total Mass Extracted (lb/day)	Averaging period (days)	Total Mass Extracted Over Period (lbs.)	Total mass Extracted to Date (lbs.)	Between Carbon Canisters				Stack Emissions				Total Mass Emitted (lb/day)	Percent Reduction	Percent Benzene (B/TPH-g)
		Temp (aF)	Flow rate (CFM)	Concentration						Temp (aF)	Flow rate (CFM)	Concentration		Temp (aF)	Flow Rate (CFM)	Concentration				
				(ug/L)(mg/m ³)	(ppmv)							(ug/L)(mg/m ³)	(ppmv)			(ug/L)(mg/m ³)	(ppmv)			
12/12/01	TPH-g	58	174	5000	1,220	88.2	57	5,029	25,031	49	131	4900	1195.6	477	131	< 10	< 2	< 0.133	99.80%	1.80%
	Benzene			90	28	1.4						81	25,304			< 0.1	< 0.03	< 0.001	99.88%	
	Toluene			570	151	9.1	11/30/2001					570	150,936			< 0.1	< 0.03	< 0.001	99.98%	
	Ethylbenzene			160	37	2.5	to					160	36,768			< 0.1	< 0.02	< 0.001	99.94%	
	Xylenes			770	177	12.2	1/26/2002					820	188,436			< 0.3	< 0.07	< 0.004	99.96%	
	MBE			150	42	2.4						110	30,503			< 1	< 0.28	< 0.012	99.09%	
11/09/01	TPH-g	69	192	8500	2,074	165.5	30	4,965	20,003	67	300	4000	976	520	300	< 10	< 2	< 0.304	99.75%	2.24%
	Benzene			190	59	3.3						83	25,9292			< 0.1	< 0.03	< 0.003	99.88%	
	Toluene			1100	291	19.3	10/31/2001					510	135,048			< 0.1	< 0.03	< 0.003	99.98%	
	Ethylbenzene			250	57	4.4	to					110	25,278			< 0.1	< 0.02	< 0.003	99.91%	
	Xylenes			1100	253	19.3	11/30/2001					520	119,496			< 0.3	< 0.07	< 0.008	99.94%	
	MBE			190	53	3.3						88	24,4024			< 1	< 0.28	< 0.027	98.86%	
10/17/01	TPH-g	81	112	9100	2,220	103.3	31	3,204	15,038	78	340	1300	317.2	527	340	40	10	1.379	96.92%	2.97%
	Benzene			270	84	2.8						38	11,8712			0.37	0.12	0.012	99.03%	
	Toluene			1100	291	11.3	9/30/2001					150	39,72			8.5	2.25	0.264	94.33%	
	Ethylbenzene			92	21	0.9	to					15	3,447			1.3	0.30	0.040	91.33%	
	Xylenes			320	74	3.3	10/31/2001					59	13,5582			5.7	1.31	0.177	90.34%	
	MBE			370	103	3.8						62	17,1926			< 0.5	< 0.14	< 0.016	99.19%	
09/23/01	TPH-g	71	85	7800	1,903	67.2	30	2,017	11,834	68	238	520	126.88	507	238	40	10	0.965	92.31%	3.46%
	Benzene			270	84	2.1						21	6,5604			0.59	0.18	0.013	97.19%	
	Toluene			820	217	6.4	8/31/2001					38	10,0624			5.5	1.46	0.120	85.53%	
	Ethylbenzene			120	28	0.9	to					2.9	0.66642			1.2	0.28	0.026	58.62%	
	Xylenes			470	108	3.7	9/30/2001					8.7	1.99926			5.3	1.22	0.115	39.08%	
	MBE			200	55	1.6						20	5,546			< 0.5	< 0.14	< 0.011	97.50%	
08/29/01	TPH-g	78	61	17000	4,148	105.2	31	3,260	9,817	72	358	3600	878.4	511	358	40	10	1.452	98.89%	3.35%
	Benzene			570	178	3.2						120	37,488			0.64	0.20	0.021	99.47%	
	Toluene			1500	397	8.4	7/31/2001					280	74,144			5.5	1.46	0.180	98.04%	
	Ethylbenzene			190	44	1.1	to					27	6,2046			1.1	0.25	0.036	95.93%	
	Xylenes			710	163	4.0	8/31/2001					99	22,7502			4.6	1.06	0.150	95.35%	
	MBE			950	263	5.3						170	47,141			< 0.5	< 0.14	< 0.016	99.11%	
07/16/01	TPH-g	82	35	28000	6,832	99.4	31	3,081	6,558	76	417	4700	1146.8	444	417	17	4	0.719	99.64%	3.33%
	Benzene			1100	344	3.5						190	59,356			0.42	0.13	0.016	99.78%	
	Toluene			1100	291	3.5	6/30/2001					510	135,048			2.5	0.66	0.095	99.51%	
	Ethylbenzene			280	64	0.9	to					68	15,6264			0.41	0.09	0.016	99.40%	
	Xylenes			940	216	3.0	7/31/2001					270	62,046			1.6	0.37	0.061	99.41%	
	MBE			2600	721	8.3						330	91,509			< 5	< 1.39	< 0.190	98.48%	
06/13/01	TPH-g	99	35	29000	7,076	102.9	1/30/1900	3,088	3,477	82	466	1300	317.2	445	466	180	44	8.506	86.15%	8.28%
	Benzene			2400	750	7.7						94	29,3656			6.9	2.16	0.294	92.66%	
	Toluene			2700	715	8.6	5/31/2001					130	34,424			26	6.88	1.108	80.00%	
	Ethylbenzene			160	37	0.5	to					10	2,298			3.4	0.78	0.145	66.00%	
	Xylenes			440	101	1.4	6/30/2001					32	7,3536			13	2.99	0.554	59.38%	
	MBE			5800	1,608	18.5						250	69,325			< 5	< 1.39	< 0.213	98.00%	
05/17/01	TPH-g	80	20	24000	5,856	48.7	8	389	389	68	420	2400	585.6	398	420	10	2	0.426	99.58%	7.50%
	Benzene			1800	562	3.3	Start-up					150	46.86			0.23	0.07	0.009	99.85%	
	Toluene			1600	424	2.9	05/17/01					310	82,088			0.64	0.17	0.025	99.79%	
	Ethylbenzene			87	20	0.2	5/23/2001					32	7,3536			0.07	0.02	0.003	99.78%	
	Xylenes			240	55	0.4	to					120	27,576			0.27	0.06	0.010	99.78%	
	MBE			4400	1,220	8.0	5/31/2001					150	41,595			2.8	0.78	0.107	98.13%	

TPH-g = Total Petroleum Hydrocarbons as gasoline

Air Pollution Control Device 5/17/01 to 9/16/02: Catalytic Oxidizer (Cat Ox). Air Pollution Control Device after 9/17/02: Two 2,000-pound Granular Activated Carbon (GAC) Canisters in Series.

Extracted (Raw) Air Sample collected and Flow Rate measured at SVE Manifold before dilution air and Air Pollution Control Device. All flow rates based on velocity measurements and pipe diameter.

GAC: Between carbon flow rate assumed to be equal to stack flow rate

Cat Ox: Blower Inlet samples collected after dilution air introduced. Stack flow rate assumed to equal Blower Inlet flow rate with no dilution air. Stack flow rate assumed to be equal to extracted flow rate with no dilution air.

-- = Data not collected or analyzed

ppmv = (ug/L)(24.4L/mole)(1 mole/gr mol wt); gr mol wts: TPH-g 111, B = 78.2, T = 92.2, E = 106.2, X = 106.2, MIBE = 88.

ppmv = parts per million by volume

Total Extracted in lbs/day = (ppmv)(CFM)(1 lb.mol/386CF)(lb mol wt/1 lb mol)(1440 min/day)/1,000,000

lb mol wts: TPH-g = 111, B = 78.2, T = 98.2, E = 106.2, X = 106.2, MIBE = 88

Total Mass Extracted Over Period in (lbs/day) = Number of days in Period X Total Extracted in lbs./day

Total Mass Extracted to Date in gallons = (lbs.) / (6.8 lbs/gallon)

System shut down for repair of blower 1/26/02 to 2/4/02. No air samples collected in January 2002

No dilution air between extraction well manifold and blower after 2/4/02.

System shut down and removed on August 31, 2004.

Table 4: Chemical Lime Natividad Plant Precipitation Record
October 1997 - April 2005
Chemical Lime Natividad Quarry, 11771 Old stage Road, Salinas, Ca.
Weber, Hayes, and Associates Project H8029

Water Year (October-September)	Monthly Precipitation (in inches)												
	October	November	December	January	February	March	April	May	June	July	August	September	Annual Totals
1997-1998	0.18	3.71	5.70	8.20	12.45	2.34	2.38	2.04	0.13	0.00	0.00	0.00	37.13
1998-1999	0.41	2.14	1.53	2.55	5.15	1.88	1.22	0.00	0.05	0.00	0.00	0.00	14.93
1999-2000	0.07	1.71	0.05	6.61	6.99	1.53	0.00	0.35	0.00	0.00	0.15	0.00	17.46
2000-2001	2.66	0.03	0.28	2.69	3.04	1.34	1.97	0.00	0.00	0.00	0.00	0.13	12.14
2001-2002	0.00	3.06	4.05	2.08	1.32	1.17	0.40	0.00	0.00	0.00	0.00	0.00	12.08
2002-2003	0.00	1.87	3.71	2.39	1.17	1.07	2.16	0.10	0.00	0.00	0.00	0.00	12.47
2003-2004	0.00	0.95	6.41	1.94	4.17	0.64	0.00	0.00	0.00	0.00	0.00	0.00	14.11
2004-2005 ¹	3.04	0.59	3.25	7.37	3.23	3.35	1.38	--	--	--	--	--	22.21
Monthly Average	0.80	1.76	3.12	4.23	4.69	1.67	1.19	0.31	0.02	0.00	0.02	0.02	NA
Annual Average:													15.04

Data Source: Data obtained from the Natividad Plant, 11771 Old Stage Road, Salinas, CA 93908, from the Chemical Lime Company Station at an elevation of 200 feet.
 Chemical Lime Company staff operates and maintains this station.

NA: Not Applicable

--: Data not collected

1: 2004-2005 Water Year not completed, therefore, 2004-2005 data set not included in Annual Average Total.

Table 5: Salinas Airport 54-Year Precipitation Record (1948 - 2004)
Salinas Airport, Salinas, Monterey County
Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, CA
Weber, Hayes & Associates Project Number H8029

Water Year (October-September)	Monthly Precipitation (in inches)												
	October	November	December	January	February	March	April	May	June	July	August	September	Annual Totals
1948-1949	0.88	0.40	3.28	1.25	1.83	3.15	0.00	0.22	0.00	0.15	0.03	0.01	11.20
1949-1950	0.10	0.74	1.11	6.57	1.26	2.21	1.34	0.25	0.05	0.00	0.03	0.00	13.66
1950-1951	1.77	2.92	2.46	1.43	1.84	0.57	0.93	0.15	0.04	0.00	0.00	0.00	12.11
1951-1952	0.65	2.68	6.15	5.54	1.46	2.49	0.85	0.04	0.00	0.00	0.01	0.01	19.88
1952-1953	0.02	1.36	4.72	0.99	0.01	0.77	1.63	0.18	0.06	0.00	0.02	0.01	9.77
1953-1954	0.43	1.34	0.30	2.51	1.13	3.67	0.65	0.06	0.19	0.00	0.00	0.04	10.32
1954-1955	0.00	0.82	2.12	5.66	1.34	0.10	2.38	0.67	0.00	0.00	0.00	0.00	13.09
1955-1956	0.00	1.61	8.96	4.58	1.37	0.14	0.74	0.41	0.00	0.00	0.00	0.09	17.90
1956-1957	0.65	0.00	0.83	2.75	2.30	0.96	0.84	2.32	0.11	0.00	0.00	0.12	10.88
1957-1958	0.98	0.46	2.97	2.87	3.18	4.73	3.85	0.52	0.06	0.00	0.00	0.53	20.15
1958-1959	0.01	0.18	0.18	2.64	3.94	0.32	0.21	0.00	0.00	0.00	0.00	0.00	7.48
1959-1960	0.00	0.00	0.00	2.78	3.21	0.43	1.00	0.17	0.00	0.00	0.00	0.00	7.59
1960-1961	0.02	2.36	0.46	1.53	0.93	1.59	0.67	0.24	0.19	0.00	0.02	0.02	8.03
1961-1962	0.04	1.47	0.53	2.65	5.90	1.46	0.11	0.02	0.08	0.00	0.03	0.01	12.30
1962-1963	0.65	0.40	1.73	2.81	1.95	3.00	2.95	0.16	0.01	0.00	0.00	0.34	14.00
1963-1964	1.53	2.39	0.34	1.97	0.11	2.45	0.21	0.66	0.40	0.00	0.20	0.00	10.26
1964-1965	0.71	2.16	5.13	0.85	0.44	1.70	1.31	0.01	0.00	0.00	0.31	0.03	12.65
1965-1966	0.11	4.11	4.07	1.04	1.10	0.11	0.15	0.00	0.01	0.23	0.03	0.23	11.19
1966-1967	0.00	2.02	3.62	3.89	0.34	2.44	5.66	0.07	0.55	0.00	0.00	0.15	18.74
1967-1968	0.05	1.38	1.43	1.82	0.85	2.03	0.33	0.06	0.00	0.00	0.08	0.00	8.03
1968-1969	0.28	1.76	2.75	7.93	5.75	1.07	1.50	0.00	0.02	0.00	0.00	0.03	21.09
1969-1970	0.67	0.72	2.74	4.96	1.83	1.72	0.11	0.00	0.22	0.00	0.00	0.00	12.97
1970-1971	0.33	3.85	3.99	0.96	0.55	1.13	1.39	0.51	0.00	0.00	0.01	0.05	12.77
1971-1972	0.00	1.46	2.86	0.94	0.69	0.01	0.43	0.00	0.00	0.00	0.00	0.00	6.39
1972-1973	1.54	4.11	1.79	4.18	4.92	3.69	0.02	0.02	0.00	0.00	0.01	0.07	20.35
1973-1974	1.86	3.90	5.01	2.92	0.95	3.81	2.92	0.00	0.35	0.34	0.00	0.00	22.06
1974-1975	1.29	0.26	1.58	1.25	3.48	3.34	0.96	0.01	0.04	0.05	0.34	0.03	12.63
1975-1976	1.63	0.41	0.21	0.27	1.47	1.29	1.09	0.00	0.04	0.00	0.70	1.22	8.33
1976-1977	0.34	0.60	1.81	0.94	0.31	0.97	0.26	0.77	0.10	0.00	0.00	0.13	6.23
1977-1978	0.02	0.46	3.92	4.55	3.95	3.50	3.40	0.01	0.00	0.00	0.00	0.22	20.03
1978-1979	0.00	1.87	0.81	3.27	2.71	1.51	0.31	0.03	0.00	0.11	0.00	0.00	10.62
1979-1980	1.08	1.22	2.04	2.96	2.75	1.09	0.49	0.09	0.03	0.56	0.00	0.02	12.33
1980-1981 ¹	5.59	0.00	0.20	--	--	--	--	--	--	--	--	--	5.79
1981-1982 ¹	--	--	--	--	--	--	--	--	--	--	--	--	0.00

Table 5: Salinas Airport 54-Year Precipitation Record (1948 - 2004)
Salinas Airport, Salinas, Monterey County
Chemical Lime Natividad Plant, 11771 Old Stage Road, Salinas, CA
Weber, Hayes & Associates Project Number H8029

Water Year (October-September)	Monthly Precipitation (in inches)												
	October	November	December	January	February	March	April	May	June	July	August	September	Annual Totals
1982-1983	1.46	4.77	2.26	3.87	3.10	0.00	1.63	0.07	0.04	0.00	0.11	1.07	18.38
1983-1984	0.01	2.96	1.89	0.10	1.57	0.86	0.46	0.02	0.06	0.01	0.00	0.06	8.00
1984-1985	1.06	2.42	1.03	0.55	0.89	2.48	0.31	0.10	0.07	0.03	0.00	0.04	8.98
1985-1986	0.03	1.59	0.41	1.14	2.38	4.39	0.46	0.04	0.00	0.01	0.02	0.91	11.38
1986-1987	0.05	0.09	0.56	2.34	5.17	2.88	0.46	0.00	0.00	0.00	0.00	0.00	11.55
1987-1988	0.65	1.33	2.05	0.60	0.38	0.02	1.16	0.45	0.09	0.00	0.00	0.00	6.73
1988-1989	0.02	2.58	5.70	1.56	1.22	4.75	0.59	0.10	0.00	0.00	0.04	0.86	17.42
1989-1990	0.85	1.01	0.05	1.60	1.43	1.18	0.52	1.38	0.00	0.00	0.00	0.14	8.16
1990-1991	0.18	0.18	1.45	0.25	1.49	5.99	0.21	0.13	0.00	0.00	0.16	0.02	10.06
1991-1992	0.94	0.00	2.28	1.45	4.48	2.46	0.09	0.00	0.02	0.00	0.00	0.00	11.72
1992-1993	0.52	0.03	2.58	6.12	3.45	2.25	0.22	0.78	0.27	0.00	0.00	0.00	16.22
1993-1994	0.16	0.79	1.37	1.65	4.26	0.25	1.03	1.23	0.01	0.00	0.00	0.05	10.80
1994-1995	0.32	2.56	1.67	7.81	0.69	5.42	1.62	0.26	0.55	0.00	0.00	0.00	20.90
1995-1996	0.00	0.00	2.29	2.68	4.76	1.91	0.59	1.09	0.00	0.01	0.02	0.06	13.41
1996-1997	0.65	3.29	5.69	6.97	0.16	0.19	0.22	0.05	0.07	0.00	0.00	0.00	17.29
1997-1998	0.13	4.72	2.66	7.10	11.26	2.99	2.15	2.32	0.09	0.00	0.00	0.09	33.51
1998-1999	0.55	2.73	0.92	2.52	3.45	2.30	1.33	0.04	0.24	0.00	0.02	0.05	14.15
1999-2000	0.11	1.29	0.26	6.00	5.58	2.09	0.58	0.26	0.02	0.00	0.19	0.06	16.44
2000-2001	2.30	0.35	0.54	3.02	3.56	1.78	1.67	0.01	0.01	0.00	0.00	0.16	13.40
2001-2002	0.08	2.42	4.54	0.87	0.90	1.29	0.36	0.12	0.00	0.00	0.03	0.00	10.61
2002-2003	0.00	1.77	5.49	1.25	1.13	0.82	2.42	0.53	0.00	0.00	0.09	0.00	13.50
2003-2004	0.29	0.89	4.65	1.45	3.86	0.55	0.02	0.03	0.00	0.03	0.00	0.03	11.80
2004-2005 ²	2.62	0.50	4.97	3.35	3.30	4.67	--	--	--	--	--	--	19.41
Monthly Average	0.65	1.57	2.42	2.83	2.41	1.98	1.05	0.31	0.08	0.03	0.05	0.13	NA
Annual Average:													13.32

Data Source: Data obtained from California Data Exchange Center (CDEC), from the Salinas Airport (sap) within the Salinas River basin at an elevation of 135 feet.
The National Weather Service (NWS) operates and maintains this station.

NA: Not Applicable

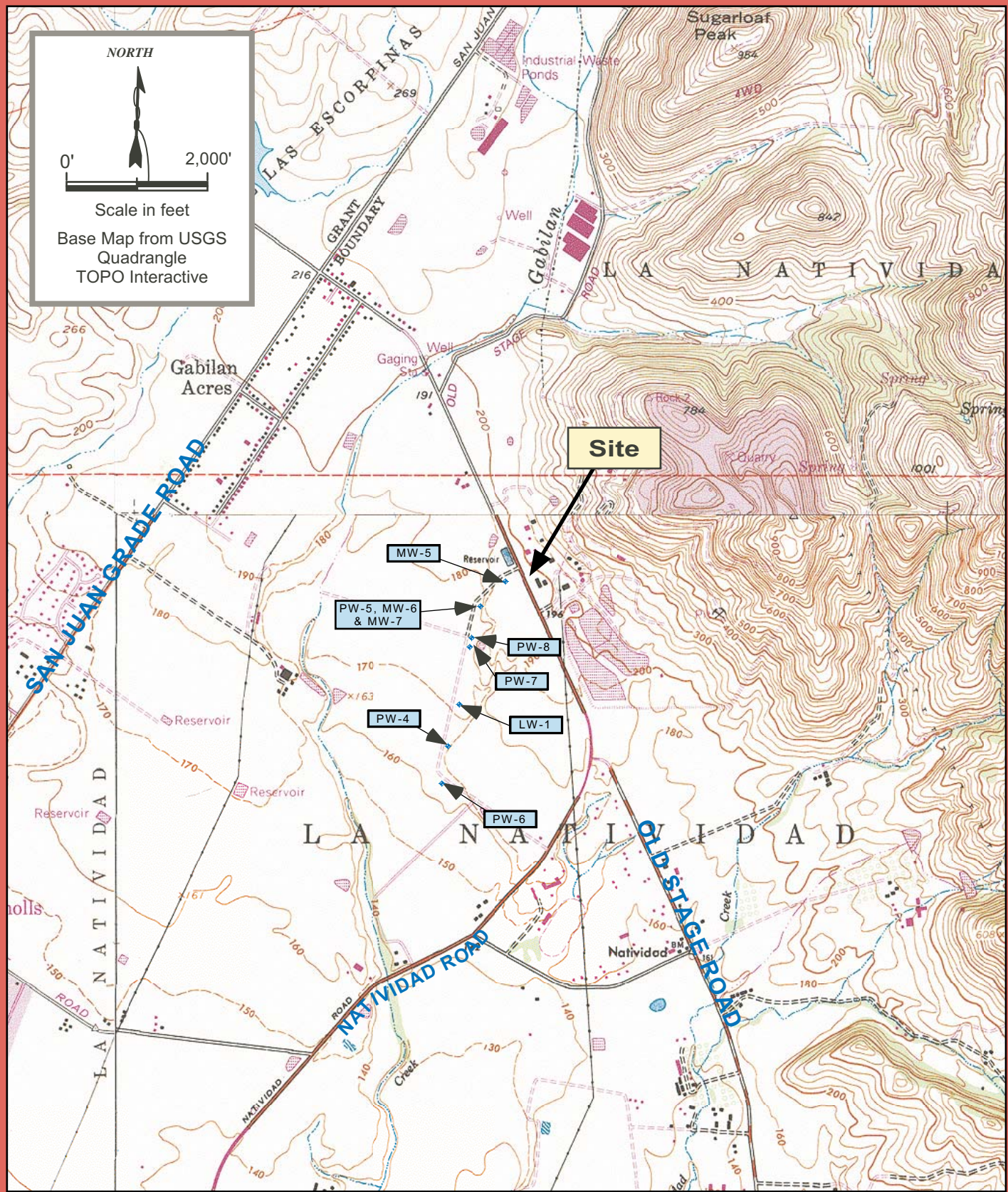
Data not used for the following water years: 1948-1949; 1980-1981; 1981-1982; 2004-2005 because incomplete data set or the water year is not over.

--: Data not collected

1: 1980-1981 Water Year data set not complete (station down for all but three months of the year), therefore, data set not included in Annual Average Total.

1981-1982 Water Year data set not complete (station down for entire year), therefore, data set not included in Annual Average Total.

2: 2004-2005 Water Year not completed, therefore, 2004-2005 data set not included in Annual Average Total.



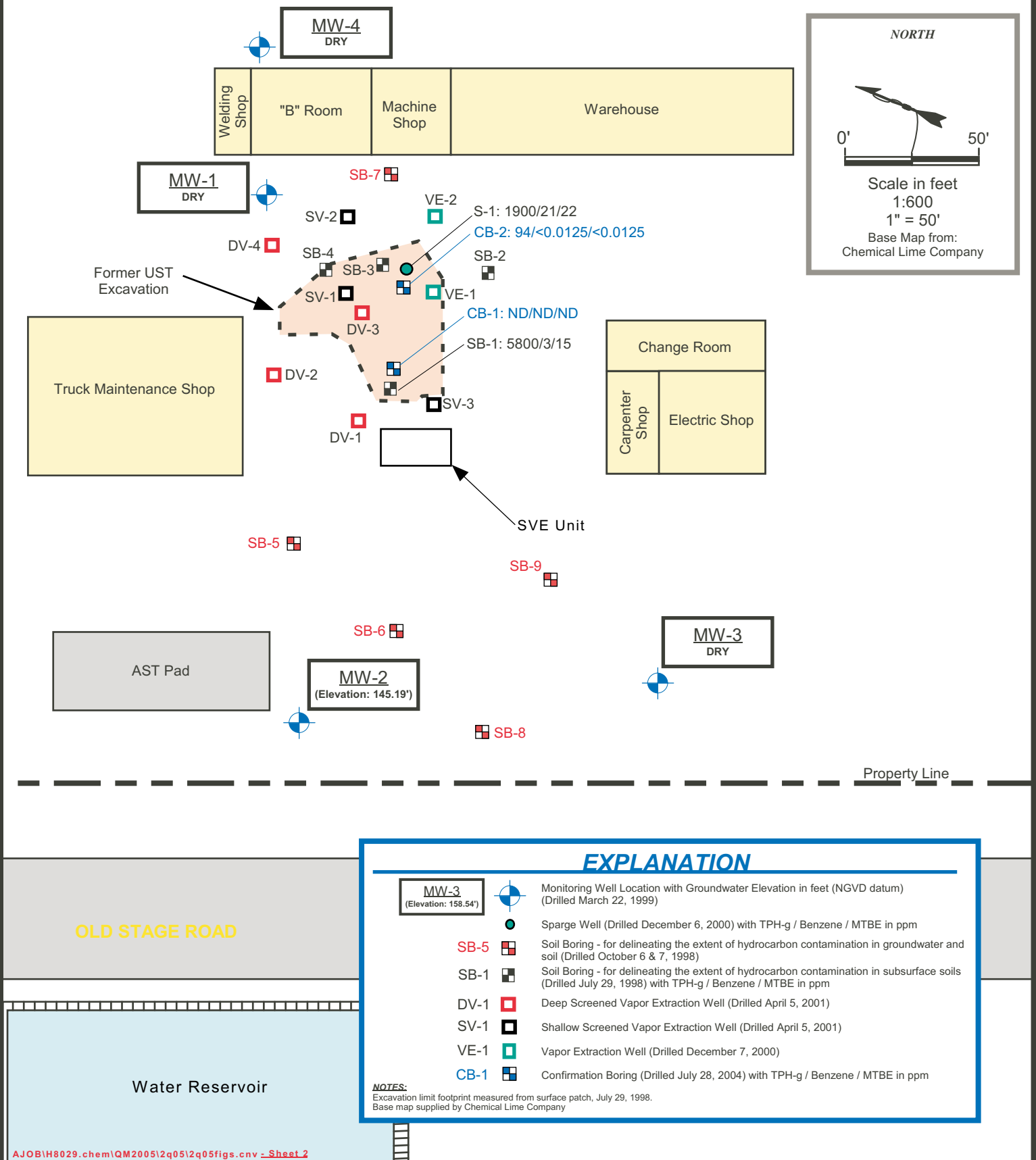
AJOB\H8029.chem\QM2005\2q05\2q05figs.cnv_Sheet_1



Weber, Hayes & Associates
 Hydrogeology and Environmental Engineering
 120 Westgate Drive, Watsonville, Ca. 95076
 (831) 722 - 3580 (831) 662 - 3100

LOCATION MAP
 Chemical Lime Natividad Plant
 11771 Old Stage Road
 Salinas, California

FIGURE
1
Job #
H8029

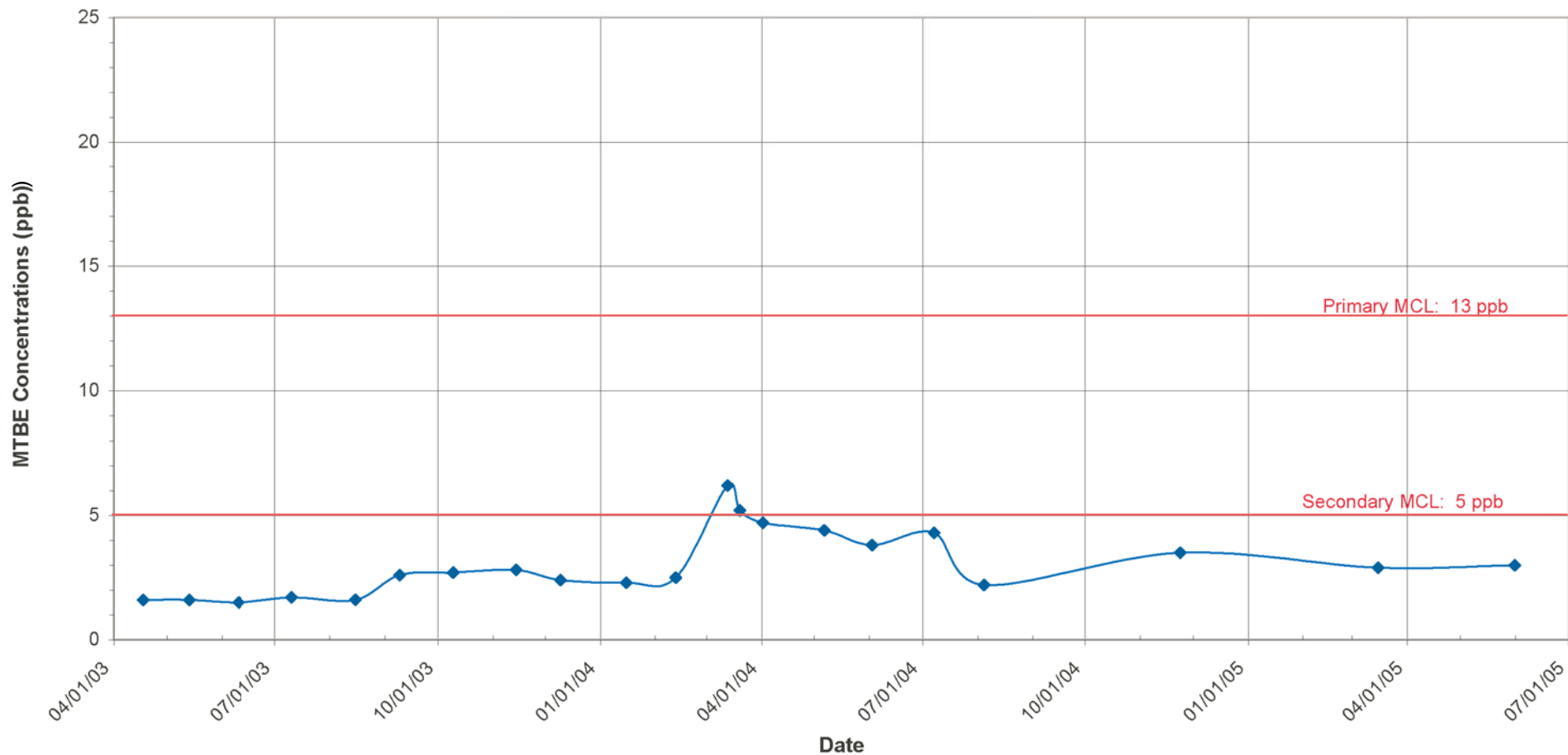


Weber, Hayes & Associates
Hydrogeology and Environmental Engineering
120 Westgate Drive, Watsonville, Ca. 95076
(831) 722 - 3580 (831) 662 - 3100

**SITE MAP with Soil Vapor Extraction Well,
Monitoring Well and Soil Boring Locations**
Chemical Lime Nativity Plant
11771 Old Stage Road, Salinas, California

**FIGURE
2
Job #
H8029**

LW-1 MTBE Concentrations vs. Time



AJOB\H8029.chem\QM2005\2q05\LW-1MTBEconcGRAPH.cnv - Sheet 1

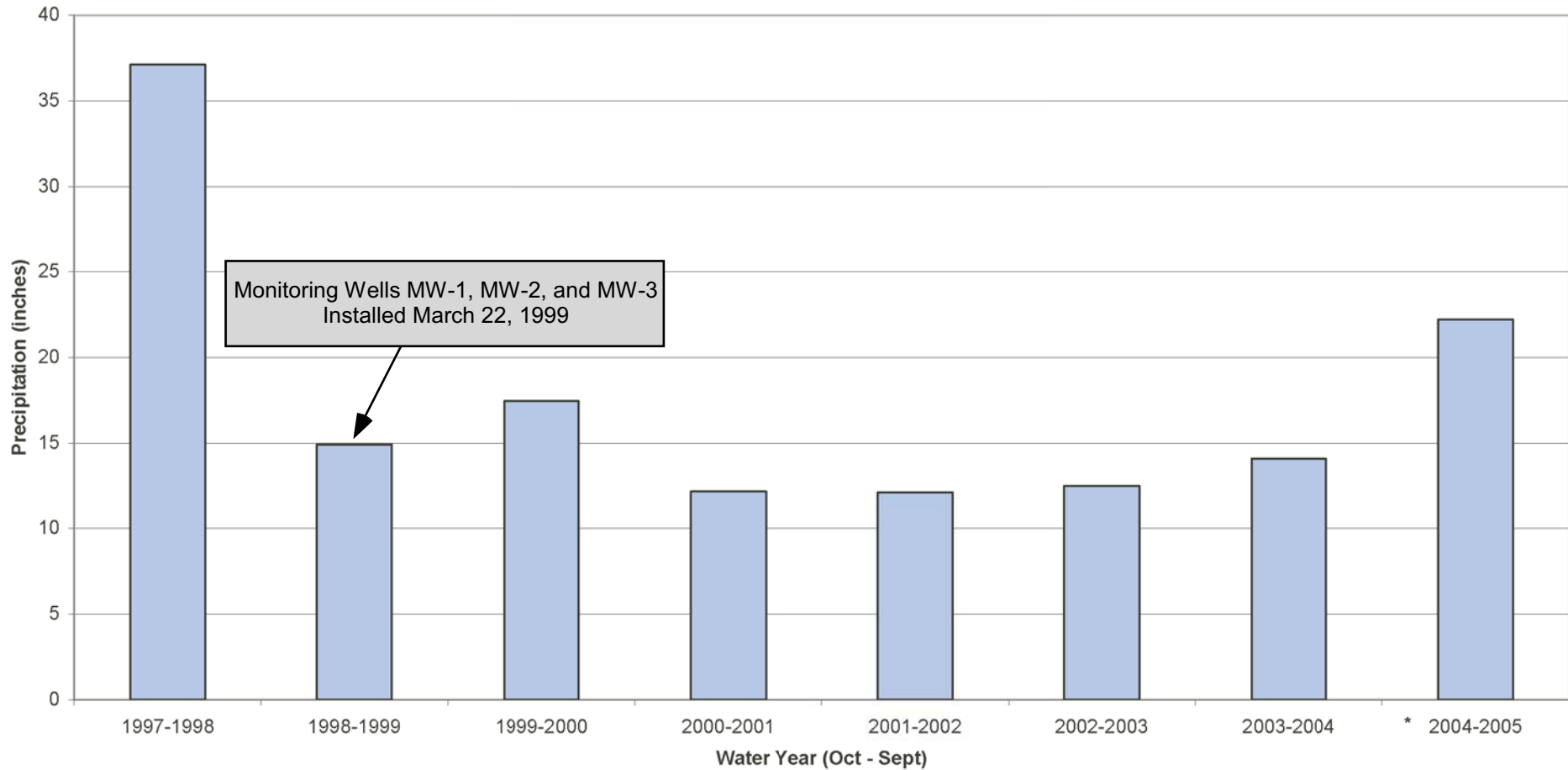


Weber, Hayes & Associates
Hydrogeology and Environmental Engineering
120 Westgate Drive, Watsonville, Ca. 95076
(831) 722 - 3580 (831) 662 - 3100

Lockard Well LW-1 MTBE Concentrations vs. Time
Chemical Lime Natividad Plant
11771 Old Stage Road, Salinas, CA

**Figure
3
Project
H8029**

Chemical Lime Natividad Plant Precipitation Record



Notes:

* 2004-2005 water year not completed (7 of 12 months recorded so far).

AJOB\H8029.chem\QM2005\2q05\chemlimePrecip.cnv - Sheet 1

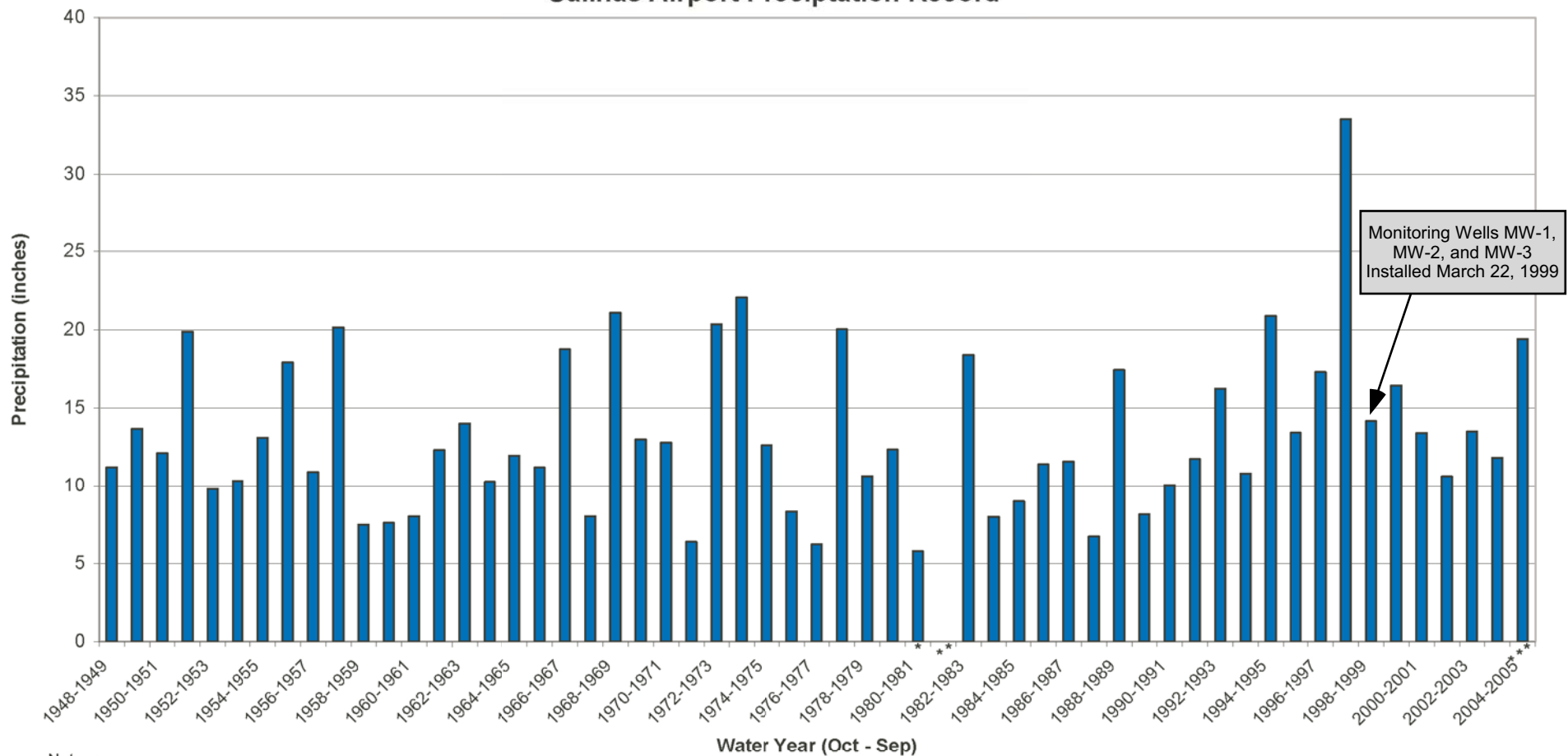


Weber, Hayes & Associates
Hydrogeology and Environmental Engineering
120 Westgate Drive, Watsonville, Ca. 95076
(831) 722 - 3580 (831) 662 - 3100

Chemical Lime Natividad Plant Precipitation Record
Chemical Lime Natividad Plant
11771 Old Stage Road, Salinas, CA

**Figure
4
Project
H8029**

Salinas Airport Precipitation Record



Notes:

- * 1980-1981 complete water year was not recorded due to station being down (only 3 of 12 months recorded).
- ** 1981-1982 water year data not recorded due to station being down (0 of 12 months recorded).
- *** 2004-2005 water year not completed (8 of 12 months recorded so far).

AJOB\H8029.chem\QM2005\2q05\SalinasAirportPrecip.cnv - Sheet 1

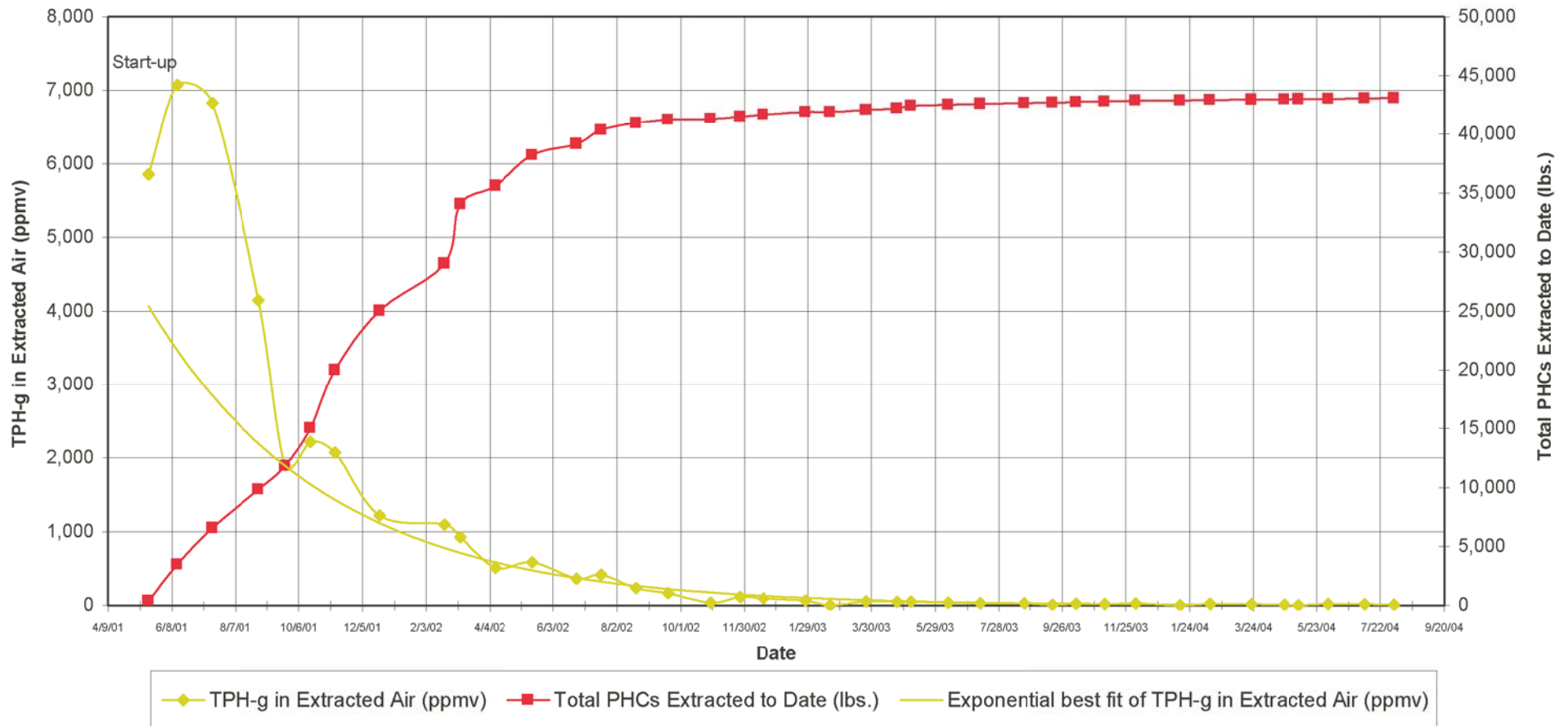


Weber, Hayes & Associates
 Hydrogeology and Environmental Engineering
 120 Westgate Drive, Watsonville, Ca. 95076
 (831) 722 - 3580 (831) 662 - 3100

Salinas Airport Precipitation Record
 Chemical Lime Natividad Plant
 11771 Old Stage Road, Salinas, CA

**Figure
 5
 Project
 H8029**

PHC Mass Removal by Cleanup System Chemical Lime Natividad Quarry



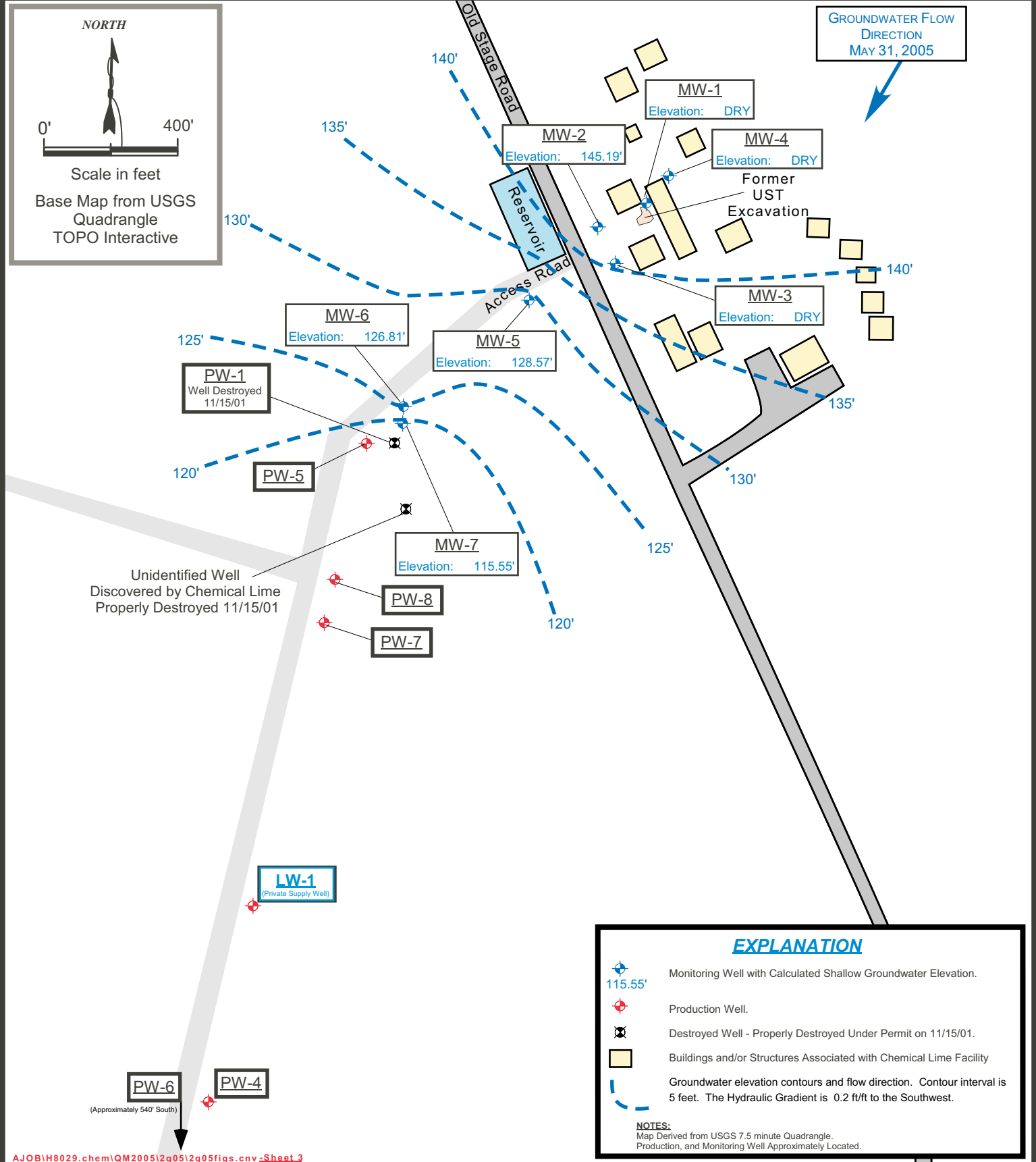
AJOB\H8029.chem\QM2005\2q05\AIRconcGRAPH.cnv - Sheet 1



Weber, Hayes & Associates
Hydrogeology and Environmental Engineering
120 Westgate Drive, Watsonville, Ca. 95076
(831) 722 - 3580 (831) 662 - 3100

PHC Mass Removal by Cleanup System
Chemical Lime Natividad Plant
11771 Old Stage Road, Salinas, CA

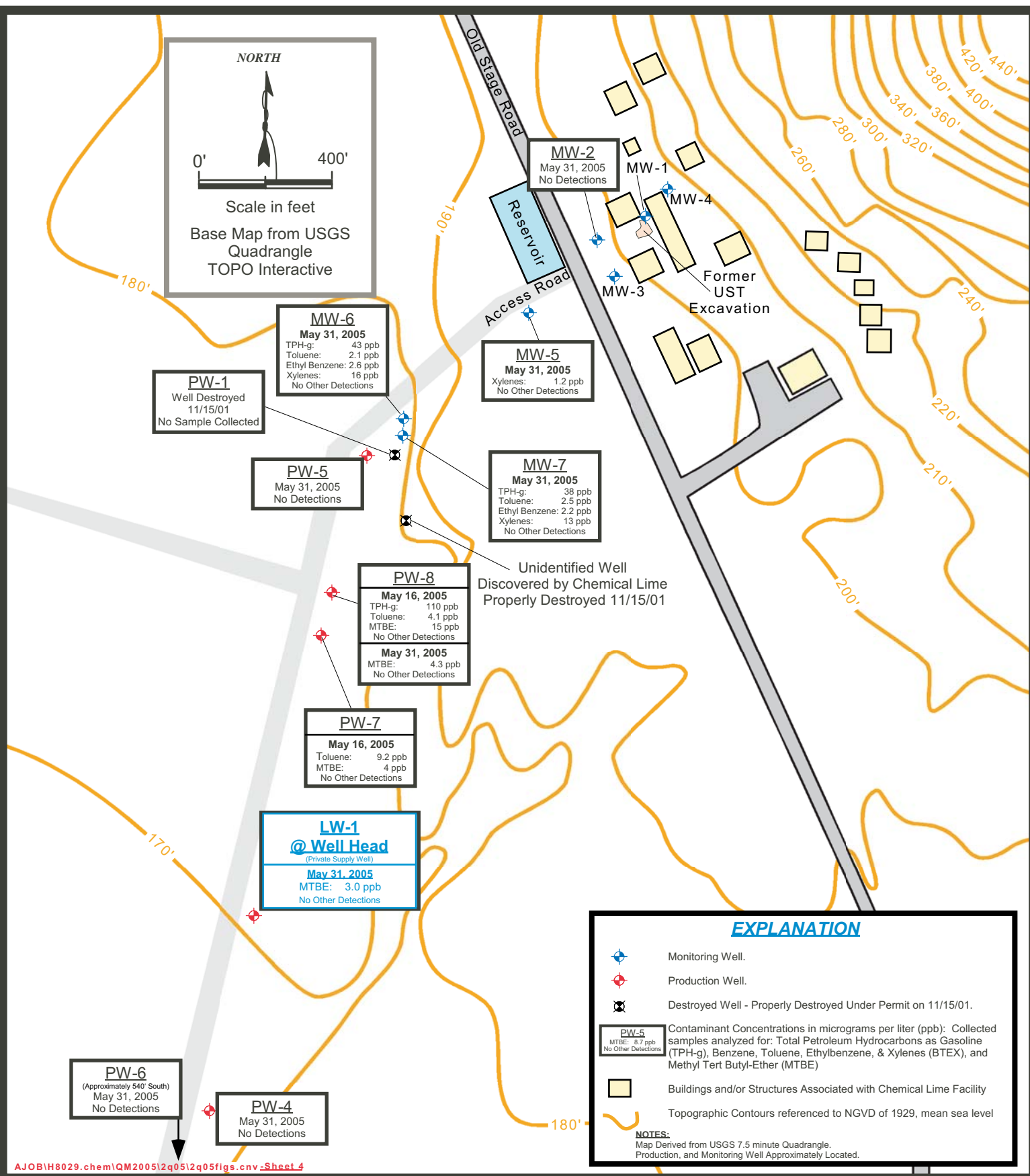
**Figure
6
Project
H8029**



Weber, Hayes & Associates
Hydrogeology and Environmental Engineering
120 Westgate Drive, Watsonville, Ca. 95076
(831) 722 - 3580 (831) 662 - 3100

Shallow Groundwater Elevation Contour Map
May 31, 2005
Chemical Lime Natividad Plant
11771 Old Stage Road, Salinas, California

FIGURE 7
Job # H8029



Weber, Hayes & Associates
Hydrogeology and Environmental Engineering
120 Westgate Drive, Watsonville, Ca. 95076
(831) 722 - 3580 (831) 662 - 3100

Vicinity Map w/ Analytical Results
May 31, 2005
Chemical Lime Natividad Plant
11771 Old Stage Road, Salinas, California

FIGURE
8
Job #
H8029

Case Closure Request
Post-Cleanup Groundwater Monitoring Report #4
Chemical Lime Natividad Plant, Salinas, California
July 13, 2005

Appendix A

Groundwater Monitoring Field Methodology

Field Data Sheets

Appendix A

Field Methodologies for Groundwater Monitoring

Weber, Hayes and Associates' groundwater monitoring field methodology is based on procedures specified in the *LUFT Field Manual*. The first step in groundwater well sampling is for Weber, Hayes and Associates field personnel to measure the depth-to-groundwater to the nearest hundredth (0.01) of a foot with an electric sounder. If the well appears to be pressurized, or the groundwater level is fluctuating, measurements are made until the groundwater levels stabilizes, and a final depth-to groundwater measurement is taken and recorded. After the depth-to-groundwater is measured, the well is then checked for the presence of free product with a clear, disposable polyethylene bailer. If free product is present, the thickness of the layer is recorded, and the product is bailed to a sheen. All field data (depth-to-groundwater, well purge volume, physical parameters, and sampling method) is recorded on field data sheets (see attached). Because removing free product may skew the data, wells that contain free product are not used in groundwater elevation and gradient calculations.

After measuring the depth-to-groundwater, each well, starting with the cleanest well (based on analytical results from the last sampling event), is purged with a low flow submersible electric pump. During purging the physical parameters of temperature, conductivity, pH, dissolved oxygen (D.O.) concentration, and Oxidation-Reduction Potential (ORP) of the purge water are monitored with a QED MP20 Micropurge Flow Through Cell and associated multi-probe and meter to insure that these parameters have stabilized (are within ~ 15 percent of the previous measurement). The QED MP20 meter is capable of continuously monitoring the physical parameters of the purge water via the flow through cell and providing an alarm to indicate when the physical parameters have stabilized to the users specifications. Purging is determined to be complete (stabilized aquifer conditions reached) after the removal of approximately three to five well volumes of water or when the physical parameters have stabilized. Dissolved oxygen and ORP measurements are used as an indicator of intrinsic bioremediation within the contaminant plume. All field instruments are calibrated before use.

All purge water is stored on site in DOT-approved, 55-gallon drums for disposal by a state-licensed contractor pending laboratory analysis for fuel hydrocarbons.

After purging, the water level in the well is allowed to recover to 80 percent of its original depth before a sample is collected. After water level recovery, a groundwater sample is collected from each well with a new, disposable bailer, and decanted into the appropriate laboratory-supplied sample container(s). The sample containers at this site were 40-ml. vials. Each vial was filled until a convex meniscus formed above the vial rim, then sealed with a Teflon[®]-septum cap, and inverted to insure that there were no air bubbles or head space in the vial. All samples are labeled in the field and transported in insulated containers cooled with blue ice to state-certified laboratories under proper chain of custody procedures.

All field and sampling equipment is decontaminated before, between, and after measurements or sampling by washing in an Liqui-Nox and tap water solution, rinsing with tap water, and rinsing with distilled water.



HOW MANY PURGE DRUMS WERE LEFT ON-SITE: 2x 55 gal. APPROXIMATE VOLUME (gallons): 110 gal.
CALL PURGE WATER REMOVAL SUBCONTRACTOR ON: _____
DRUMS WILL BE PURGED ON: _____

* QED MP20 NOT WORKING PROPERLY INITIALLY
→ DATA MAY NOT BE ACCURATE

Signature of Field Personnel & Date



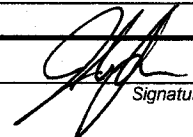
INDICATE ATTACHMENTS THAT APPLY

- ☐ Site Map
- ☐ Data Sheets
- ☐ Geologic Logs
- ☐ Photo Sheets
- ☐ COC's
- ☐ Chargeable Materials

Client: Chem Lime	Date: May 31, 2005
Site Location: 11771 Old Stage Road, Salinas, CA	Study #: H8029.Q
Field Tasks: <input type="checkbox"/> Drilling <input checked="" type="checkbox"/> Sampling <input checked="" type="checkbox"/> Other (see below): 2Q05 QM Sampling and PW-8 Sampling	Weather Conditions: CLEAR / BREEZY
Personnel / Company On-Site: Josh Hannaleck(Weber, Hayes and Associates: WHA)	

TIME:

1213	ON-SITE → SIGN IN	
	MW-4	WATER DEPTH DRY WEL DEPTH 44.82'
	MW-3	DRY 57.82' 57.96'
1300	MW-2	58.66' 59.08' → SAMPLE → X(40mL UOA (RETURN @ END OF DAY TO CHECK RECHARGE)
	MW-1	DRY 55.21'
1317	MOVE TO OFFSITE WELLS	
1330	@ PW-6 COLLECT QM SAMPLES + H8029.F QUARTERLY NO ₃ SAMPLE	
1345	@ PW-4 → 2" HOSE CONNECTED TO SAMPLE OUTLET w/ CAM LOCK → REMOVE HOSE, PURGE, COLLECT QM SAMPLES → RE-ATTACH HOSE	
1400	@ LW-1 → COLLECT QM SAMPLES	
1420	@ PW-8 → COLLECT SAMPLE ↳ 60 GPM 001715 (100 GALLONS)	
1428	@ PW-5 → COLLECT QM SAMPLE	
1435	@ MW-7 → CALIBRATE QM MPLO FLOW TRAN CELL - SET UP PUMP + DECON NOT WORKING PROPERLY - TURN ON & OFF SEVERAL TIMES BEFORE IT SEEMS TO WORK PROPERLY QRP = 0.231 + 0.0013 (25 - 19.69) VOLTS = 0.238 VOLTS	
1623	@ MW-6	WATER 52.70' WEL DEPTH 62.95'
1710	@ MW-5	73.55 82.62' ↳ PURGES MOSTLY DRY + TAKES ~45 MINUTES TO RECOVER
1920	DE-MOB	
1730	CHECK ON-SITE WELL MW-2 FOR RECOVERY → NONE	
1735	LEAVE SITE	

 5:31-05
Signature of Field Personnel & Date



Weber, Hayes & Associates
Hydrogeology and Environmental Engineering

120 Westgate Dr., Watsonville, CA 95076
(831) 722-3580 (831) 662-3100
Fax: (831) 722-1159

Text Page ____
INDICATE ATTACHMENTS THAT APPLY
____ Site Map
____ Data Sheets
____ Geologic Logs
____ Photo Sheets
____ COC's
____ Chargeable Materials

Client: Chemical Lime Natividad Plant		Date: May 31, 2005
Site Location: 11771 Old Stage Road, Salinas, CA		Study #: H8029.Q
Field Tasks: <input type="checkbox"/> Drilling <input checked="" type="checkbox"/> Sampling <input checked="" type="checkbox"/> Other (see below):	Weather Conditions: Clear / Breezy	
2nd Quarter 2005 QM and Well Sampling		
Personnel / Company On-Site: Josh Hannaleck (Weber, Hayes and Associates: WHA)		

FIELD WORK PLANNING:

Performed on: **May 31, 2005**

Meet with Project Manager: ☒ Yes ☐ No
Number of Wells to be Sampled: **11 Wells with Dissolved Oxygen (D.O.) & Depth to Groundwater in all site wells.**
Sample Wells: **MW-1, 2, 3, 4, 5, 6, and 7; PW-4, 5, and 6; and LW-1.**
Analyze for: **TPH-g, BTEX, and Fuel Oxygenates by GC-MS / 8260**

Proposed Sampling Date: **May 31, 2005**

ON-SITE FIELD WORK:

Arrive on-site at **1213** to conduct **2nd Quarter 2005** Quarterly Groundwater Monitoring Well Sampling.

LABORATORY:

Send all analytical to: **Entech Analytical Laboratory, 408.588.0200 - 3334 Victor Court, Santa Clara, CA**

GROUNDWATER MONITORING FIELD WORK STANDARD OPERATING PROCEDURES:

(Initial)

- 5-31-05
- All sampling is conducted according to Standard Operating Procedure (SOP) 10I/
 - All pertinent information regarding the well, including water quality physical parameters are recorded on the following pages.
 - All samples are placed in a refrigerated cooler immediately after sampling.
 - All groundwater monitoring/purging/sampling equipment is decontaminated according to SOP 10B/at the beginning of on-site work, in between each well, and at the end of work
 - All purge water is properly containerized in 55-gallon drums, or another suitable container, for later removal by a licensed subcontractor.
 - All samples are recorded on field Chain-of-Custody sheets for documentation of proper transportation to the appropriate Laboratory.

INSTRUMENT CALIBRATION:

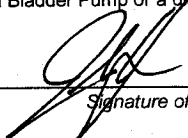
QED MP20 Flow Through Cell: Temperature = **19.69°C** = **7.00 & 10.00** Electrical Conductivity = **713** Barometric Pressure = **760 mm Hg**
D.O. % Saturation = **100%** Oxidation Reduction Potential (ORP) = **238 mV**

BEGIN SAMPLING WELLS:

MW-4, MW-3, MW-2, MW-1, PW-6, PW-4, LW-1, PW-5, MW-7, MW-6, MW-5

COMMENTS:

All wells will be purged until the QED MP20 unit indicates that the physical parameters of the water (pH, Conductivity, Temp, D.O., and ORP) have stabilized to within ~ 15%, or once four casing volumes in the well column requiring sampling have been removed (see Groundwater Monitoring Well Sampling Field Data Sheet(s) for details). Wells will be purged from the bottom up and all WHA SOPs. Wells will only be sampling using a Bladder Pump or a disposable bailer, as per RWQCB guidelines.

 **5-31-05**
Signature of Field Personnel & Date

GROUNDWATER MONITORING WELL SAMPLING FIELD DATA SHEET

Project Name/No.: CHEM LINE / H8029. Q

Date: 5.31.05

Sample No.: MW.5

Sample Location: MW.5

Samplers Name: JOSH HANNALECK

Recorded by: J

Purge Equipment:

☐ Bailer: Disposable or Acrylic
☐ Whaler # _____
☐ Bladder Pump
☒ Submersible Pump

Sample Equipment:

☒ Disposable Bailer
☐ Whaler # _____
☐ Bladder Pump
☐ Submersible Pump

Analyses Requested (circle all that apply):

TPH-gas, BTEX, MTBE, 1,2-DGA, EDB, 8260 Fuel Oxygenates

TPH diesel, TPH-Motor Oil, TPH-Heating Oil

Intrinsic Bio. Parameters

Number and Types of Bottle Used:

3x 40-mL VOA's

Well Number: MW.5
 Depth to Water: 73.55' TOC
 Well Depth: 83' BGS or TOC
 Height W-Column: 9.45' feet (well depth - depth to water)
 Volume in Well: 1.512 gallons (casing volume X height)
 Gallons to purge: 6.048 gallons (volume X 4)

Well Diameter: 2" with Casing Volume of:

2" = (0.16 Gallon/Feet)

4" = (0.65 Gallon/Feet)

5" = (1.02 Gallon/Feet)

6" = (1.47 Gallon/Feet)

8" = (2.61 Gallon/Feet)

Lab: ENTECH

Transportation: COURIER

Time (24 hr.)	Volume Purged (Gallons)	Temperature (°C)	Conductivity (ms/cm)	D.O. (ppm)	pH	ORP (mV)	Turbidity: Color, Fines	Micropurge Parameters Stabilized
1722	0	19.85	0.533	6.39	7.03	257	HIGH, BROWN, MANY FINES	
1727	2	18.96	0.682	7.42	7.07	261	↓ ↓ ↓	
1748	3.5	22.15	0.682	7.39	7.10	265	MED., LIGHT BROWN, MANY FINES	
1806	5	21.15	0.679	7.28	7.02	268	MED., CLEAR BROWN, MOD. FINES	
1823	6.5	21.82	0.653	7.68	6.99	269	LOW, CLEAR, TRACE FINES	
STOP - PURGE COMPLETE (SEE COMMENTS ABOUT QED MP20 DATA)								

Wait for 80% well volume recovery prior to sampling.

Calculate depth to water (from TOC), for 80% well volume recovery:

Calculate 80% of original well volume:
 Original Height of Water Column = 9.45' x 0.8 = 7.56' (Well Depth) 83' = Depth to water 75.44'

Time: 1845 1st measured depth to water, 78.21' feet below TOC.
 Time: 1854 1st measured depth to water, 77.22' feet below TOC.
 Time: 1912 1st measured depth to water, 75.43' feet below TOC.

Is well within 80% of original well casing volume: Yes ☐ No ☒
 Is well within 80% of original well casing volume: Yes ☐ No ☒
 Is well within 80% of original well casing volume: Yes ☒ No ☐

Sample Well

Time: 1912 Sample ID: MW.5 Depth: 75.43 feet below TOC

Comments: QED MP20 FLOW TURN CELL ACTING UP (INITIALLY NOT WORKING PROPERLY) → DATA MAY NOT BE ACCURATE

VERY LOW FLOW AFTER 1ST GALLON PURGED, APPEARS TO BE PURGING ALMOST DRY

NO FP, NO ODOOR

GROUNDWATER MONITORING WELL SAMPLING FIELD DATA SHEET

Project Name/No.: CHEM LINE / H8029.Q

Date: 5.31.05

Sample No.: MW.6

Sample Location: MW.6

Samplers Name: JOSH HANNALECK

Recorded by: JH

Purge Equipment:

☐ Bailer: Disposable or Acrylic
☐ Whaler # _____
☐ Bladder Pump
☒ Submersible Pump

Sample Equipment:

☒ Disposable Bailer
☐ Whaler # _____
☐ Bladder Pump
☐ Submersible Pump

Analyses Requested (circle all that apply):

TPH-gas, BTEX, MTBE, 1,2-DCA, EDB, 8260 Fuel Oxygenates

TPH diesel, TPH Motor Oil, TPH Heating Oil

Intrinsic Bio. Parameters

Number and Types of Bottle Used:

3 x 40 mL VOAs

Well Number: MW.6
 Depth to Water: 52.70' TOC
 Well Depth: 63' BGS or TOC
 Height W-Column: 10.3' feet (well depth - depth to water)
 Volume in Well: 1.648 gallons (casing volume X height)
 Gallons to purge: 6.592 gallons (volume X 4)

Well Diameter: 2" with Casing Volume of:

2" = (0.16 Gallon/Feet)

4" = (0.65 Gallon/Feet)

5" = (1.02 Gallon/Feet)

6" = (1.47 Gallon/Feet)

8" = (2.61 Gallon/Feet)

Lab: ENTECH

Transportation: Courier

Time (24 hr.)	Volume Purged (Gallons)	Temperature (°C)	Conductivity (ms/cm)	D.O. (ppm)	pH	ORP (mV)	Turbidity: Color, Fines	Micropurge Parameters Stabilized
1638	0	19.32	0.573	8.88	7.06	244	HIGH, BROWN, MANY FINES	
1640	2	17.10	0.668	8.82	6.96	246	MED, LIGHT BROWN, MOD. FINES	
1641	4	16.91	0.688	8.83	6.97	246	↓ ↓ ↓	
1642	6	16.89	0.696	8.86	7.00	246	LOW, CLEAR BROWN, FEW FINES	
1643	8	16.88	0.697	8.85	6.98	247	↓ ↓	
1645	10	16.88	0.700	8.85	6.98	248	↓, CLEAR, TRACE FINES	
STOP - PURGE COMPLETE (SEE COMMENTS ABOUT QED MP20 DATA)								

Wait for 80% well volume recovery prior to sampling.

Calculate depth to water (from TOC), for 80% well volume recovery:

Calculate 80% of original well volume:
 Original Height of Water Column = 10.3' x 0.8 = 8.24' - (Well Depth) 63' = Depth to water 54.76'

Time: 1638 1st measured depth to water, 52.91 feet below TOC.
 Time: 1640 1st measured depth to water, 52.91 feet below TOC.
 Time: 1641 1st measured depth to water, 52.91 feet below TOC.

Is well within 80% of original well casing volume: Yes ☒ No ☐
 Is well within 80% of original well casing volume: Yes ☒ No ☐
 Is well within 80% of original well casing volume: Yes ☒ No ☐

Sample Well

Time: 1702

Sample ID: MW.6

Depth: 52.91 feet below TOC

Comments: QED MP20 FLOW THRU CELL ACTING UP (INITIALLY NOT WORKING PROPERLY) -> DATA MAY NOT BE ACCURATE

NO FP, NO ODOR

GROUNDWATER MONITORING WELL SAMPLING FIELD DATA SHEET

Project Name/No.: CHEM LINE / H8029.Q

Date: 5-31-05

Sample No.: MW.7

Sample Location: MW.7

Samplers Name: JOSH HANNALECK

Recorded by: [Signature]

Purge Equipment:

☐ Bailer: Disposable or Acrylic

☐ Whaler # _____

☐ Bladder Pump

☒ Submersible Pump

Sample Equipment:

☒ Disposable Bailer

☐ Whaler # _____

☐ Bladder Pump

☐ Submersible Pump

Analyses Requested (circle all that apply):

☒ TPH-gas, BTEX, MTBE, 1,2-DCA, EDB, 8260 Fuel Oxygenates

☐ TPH-diesel, TPH Motor Oil, TPH Heating Oil

☐ Intrinsic Bio. Parameters

Number and Types of Bottle Used:

3x 40 mL VOAS

Well Number: MW.7

Well Diameter: 2" with Casing Volume of:

Depth to Water: 62.33' TOC

2" = (0.16 Gallon/Feet)

Well Depth: 113' BGS or TOC

4" = (0.65 Gallon/Feet)

Height W-Column: 50.67' feet (well depth - depth to water)

5" = (1.02 Gallon/Feet)

Volume in Well: 8.1072 gallons (casing volume X height)

6" = (1.47 Gallon/Feet)

Gallons to purge: 32.4288 gallons (volume X 4)

8" = (2.61 Gallon/Feet)

Lab: ENTECH

Transportation: COURIER

Time (24 hr.)	Volume Purged (Gallons)	Temperature (°C)	Conductivity (ms/cm)	D.O. (ppm)	pH	ORP (mV)	Turbidity: Color, Fines	Micropurge Parameters Stabilized
1523	0	17.03	0.694	9.57	6.99	216	HIGH, BROWN, MANY FINES	
1525	2	16.64	0.699	10.33	6.94	227	↓ ↓ ↓	
1527	5	16.65	0.703	10.15	6.98	232	HIGH, LIGHT BROWN, MANY FINES	
1530	10	16.72	0.704	10.39	7.04	238	MED, ↓, MOD. FINES	
1534	15	16.72	0.703	10.13	7.03	242	LOW-MED, CLEAR/LIGHT BROWN, FEW FINES	
1537	20	16.70	0.705	10.37	7.03	244	LOW, CLEAR BROWN, ↓	
1541	25	16.68	0.699	10.18	7.03	246	↓, CLEAR, ↓	
1544	30	16.73	0.708	10.12	7.01	247	LOW, CLEAR, TRACE FINES	
1546	33	16.74	0.704	10.16	7.04	247	↓ ↓ ↓	

SDP - PURGE COMPLETE Wait for 80% well volume recovery prior to sampling.
(SEE COMMENT ABOUT QED MP20) Calculate depth to water (from TOC), for 80% well volume recovery:

Calculate 80% of original well volume:
Original Height of Water Column = $50.67' \times 0.8 = 40.536'$ - (Well Depth) 113' = Depth to water 72.46'

Time: 1605 1st measured depth to water, 62.59 feet below TOC.

Time: [Signature] 1st measured depth to water, [Signature] feet below TOC.

Time: [Signature] 1st measured depth to water, [Signature] feet below TOC.

Is well within 80% of original well casing volume: Yes ☒ No ☐

Is well within 80% of original well casing volume: Yes ☐ No ☒

Is well within 80% of original well casing volume: Yes ☐ No ☒

Sample Well

Time: 1607

Sample ID: MW.7

Depth: 62.59 feet below TOC

Comments: QED MP20 Flow THRU CELL ACTING UP (INITIALLY NOT WORKING PROPERLY) -> DATA MAY NOT BE ACCURATE
NO FP, NO ODOR

Case Closure Request
Post-Cleanup Groundwater Monitoring Report #4
Chemical Lime Natividad Plant, Salinas, California
July 13, 2005

Appendix B

Certified Analytical Reports - Groundwater Samples, Chemical Lime Wells

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Josh Hannaleck
Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076

Certificate ID: 43762 - 6/7/2005 12:07:42 PM

Order Number: 43762
Project Name: Chemical Lime
Project Number: H8029.Q

Date Received: 6/1/2005 4:51:44 PM
P.O. Number: H8029.Q

Certificate of Analysis - Final Report

On June 01, 2005, sample was received under chain of custody for analysis. Entech analyzes samples "as received" unless otherwise

<u>Matrix</u>	<u>Test</u>	<u>Method</u>	<u>Comments</u>
Liquid	8260Petroleum	EPA 8260B	
	Electronic Deliverables	EDF	
	TPH as Gasoline by GC/MS	GC-MS	

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346).
If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,



Laurie Glantz-Murphy
Laboratory Director

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076
Attn: Josh Hannaleck

Project ID: H8029.Q
Date Received: 6/1/2005
P.O. Number: H8029.Q
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 43762-001 Sample ID: MW-2 Matrix: Liquid Sample Date: 5/31/2005 1:00 PM

EPA 5030B EPA 8260B EPA 624

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
Toluene	ND		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
Ethyl Benzene	ND		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
Xylenes, Total	ND		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
Methyl-t-butyl Ether	ND		1	1.0	µg/L	N/A	N/A	6/2/2005	WMS1050602
tert-Butyl Ethyl Ether	ND		1	5.0	µg/L	N/A	N/A	6/2/2005	WMS1050602
tert-Butanol (TBA)	ND		1	10	µg/L	N/A	N/A	6/2/2005	WMS1050602
Diisopropyl Ether	ND		1	5.0	µg/L	N/A	N/A	6/2/2005	WMS1050602
tert-Amyl Methyl Ether	ND		1	5.0	µg/L	N/A	N/A	6/2/2005	WMS1050602

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	92	75 - 125
Dibromofluoromethane	116	75 - 125
Toluene-d8	106	75 - 125

Analyzed by: XBian
Reviewed by: TFulton

EPA 5030B GC-MS

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1	25	µg/L	N/A	N/A	6/2/2005	WMS1050602

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	98.5	75 - 125
Dibromofluoromethane	103	75 - 125
Toluene-d8	104	75 - 125

Analyzed by: XBian
Reviewed by: TFulton

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Liquid - EPA 8260B - 8260Petroleum

QC Batch ID: WMS1050602

Validated by: TFulton - 06/07/05

QC Batch Analysis Date: 6/2/2005

Parameter	Result	DF	PQLR	Units
Benzene	ND	1	0.50	µg/L
Diisopropyl Ether	ND	1	5.0	µg/L
Ethyl Benzene	ND	1	0.50	µg/L
Methyl-t-butyl Ether	ND	1	1.0	µg/L
tert-Amyl Methyl Ether	ND	1	5.0	µg/L
tert-Butanol (TBA)	ND	1	10	µg/L
tert-Butyl Ethyl Ether	ND	1	5.0	µg/L
Toluene	ND	1	0.50	µg/L
Xylenes, Total	ND	1	0.50	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	94.2	75 - 125
Dibromofluoromethane	113	75 - 125
Toluene-d8	105	75 - 125

Method Blank - Liquid - GC-MS - TPH as Gasoline - GC-MS

QC Batch ID: WMS1050602

Validated by: TFulton - 06/07/05

QC Batch Analysis Date: 6/2/2005

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	25	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	101	75 - 125
Dibromofluoromethane	101	75 - 125
Toluene-d8	104	75 - 125

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Laboratory Control Sample / Duplicate - Liquid - EPA 8260B - 8260Petroleum

QC Batch ID: WMS1050602

Reviewed by: TFulton - 06/07/05

QC Batch ID Analysis Date: 6/2/2005

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Benzene	<0.50	20	20.5	µg/L	102	80 - 120
Methyl-t-butyl Ether	<1.0	20	21.2	µg/L	106	80 - 120
Toluene	<0.50	20	19.0	µg/L	95.0	80 - 120

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	84.9	75 - 125
Dibromofluoromethane	98.6	75 - 125
Toluene-d8	93.3	75 - 125

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	<0.50	20	19.8	µg/L	99.0	3.5	25.0	80 - 120
Methyl-t-butyl Ether	<1.0	20	21.4	µg/L	107	0.94	25.0	80 - 120
Toluene	<0.50	20	19.0	µg/L	95.0	0.0	25.0	80 - 120

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	85.5	75 - 125
Dibromofluoromethane	101	75 - 125
Toluene-d8	95.2	75 - 125

Laboratory Control Sample / Duplicate - Liquid - GC-MS - TPH as Gasoline - GC-MS

QC Batch ID: WMS1050602

Reviewed by: TFulton - 06/07/05

QC Batch ID Analysis Date: 6/2/2005

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<25	120	149	µg/L	119	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	101	75 - 125
Dibromofluoromethane	92.9	75 - 125
Toluene-d8	103	75 - 125

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<25	120	154	µg/L	124	3.5	25.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	100	75 - 125
Dibromofluoromethane	93.2	75 - 125
Toluene-d8	103	75 - 125

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Matrix Spike / Matrix Spike Duplicate - Liquid - EPA 8260B - 8260Petroleum

QC Batch ID: WMS1050602

Reviewed by: TFulton - 06/07/05

QC Batch ID Analysis Date: 6/2/2005

MS

Sample Spiked: 43758-005

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	Recovery Limits
Benzene	ND	20	20.2	µg/L	6/2/2005	101	65 - 140
Methyl-t-butyl Ether	ND	20	21.4	µg/L	6/2/2005	107	65 - 140
Toluene	ND	20	19.6	µg/L	6/2/2005	98.0	65 - 140

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	87.6	75 - 125
Dibromofluoromethane	99.6	75 - 125
Toluene-d8	94.3	75 - 125

MSD

Sample Spiked: 43758-005

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	ND	20	20.9	µg/L	6/2/2005	104	3.4	25.0	65 - 140
Methyl-t-butyl Ether	ND	20	23.4	µg/L	6/2/2005	117	8.9	25.0	65 - 140
Toluene	ND	20	21.6	µg/L	6/2/2005	108	9.7	25.0	65 - 140

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	85.4	75 - 125
Dibromofluoromethane	104	75 - 125
Toluene-d8	102	75 - 125



CHAIN -OF-CUSTODY RECORD

PROJECT NAME AND JOB #: Chemical Lime / H8029.Q

SEND CERTIFIED RESULTS TO: Josh Hannaleck

ELECTRONIC DELIVERABLE FORMAT:

Sampler: JOSH HANNALECK

Date: 5.31.05

LABORATORY: Entech

TURNAROUND TIME: Standard Five-Day

GLOBAL I.D.: T0605300236

[illegible]

RELEASED BY:

Date & Time

RECEIVED BY:

Date & Time
6/10/05 1410
6/10/05 1530

SAMPLE CONDITION:					
(circle 1)	Refrigerated	Frozen	Frozen	Frozen	Frozen
	Refrigerated				
	Refrigerated				
	Refrigerated				
	Refrigerated				

NOTES:

If MTBE is detected by EPA Method 8020, please confirm detections by EPA Method 8260 with a minimum detection limit of 5 ug/L, and report only confirmed 8260 detections.

For MTBE-analyzed samples with non-detectable results (ND) but having elevated detection limits, please confirm by EPA Method #8260.

Please use MDL (Minimum Detection Limit) for any diluted samples.

ADDITIONAL COMMENTS

- Please produce and email an EDF of these results to frances@weber-haves.com.

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Josh Hannaleck
Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076

Certificate ID: 43758 - 6/7/2005 1:01:40 PM

Order Number: 43758
Project Name: Chemical Lime
Project Number: H8029.Q

Date Received: 6/1/2005 4:09:01 PM
P.O. Number: H8029.Q

Certificate of Analysis - Final Report

On June 01, 2005, samples were received under chain of custody for analysis. Entech analyzes samples "as received" unless

<u>Matrix</u>	<u>Test</u>	<u>Method</u>	<u>Comments</u>
Liquid	8260Petroleum	EPA 8260B	
	Electronic Deliverables	EDF	
	TPH as Gasoline by GC/MS	GC-MS	

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346).
If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,



Laurie Glantz-Murphy
Laboratory Director

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076
Attn: Josh Hannaleck

Project ID: H8029.Q
Date Received: 6/1/2005
P.O. Number: H8029.Q
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 43758-001 Sample ID: LW-1-WH

Matrix: Liquid Sample Date: 5/31/2005 2:02 PM

EPA 5030B EPA 8260B EPA 624

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
Toluene	ND		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
Ethyl Benzene	ND		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
Xylenes, Total	ND		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
Methyl-t-butyl Ether	3.0		1	1.0	µg/L	N/A	N/A	6/2/2005	WMS1050602
tert-Butyl Ethyl Ether	ND		1	5.0	µg/L	N/A	N/A	6/2/2005	WMS1050602
tert-Butanol (TBA)	ND		1	10	µg/L	N/A	N/A	6/2/2005	WMS1050602
Diisopropyl Ether	ND		1	5.0	µg/L	N/A	N/A	6/2/2005	WMS1050602
tert-Amyl Methyl Ether	ND		1	5.0	µg/L	N/A	N/A	6/2/2005	WMS1050602

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	92.8	75 - 125
Dibromofluoromethane	115	75 - 125
Toluene-d8	106	75 - 125

Analyzed by: XBian
Reviewed by: TFulton

EPA 5030B GC-MS

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1	25	µg/L	N/A	N/A	6/2/2005	WMS1050602

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	99.3	75 - 125
Dibromofluoromethane	102	75 - 125
Toluene-d8	105	75 - 125

Analyzed by: XBian
Reviewed by: TFulton

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076
Attn: Josh Hannaleck

Project ID: H8029.Q
Date Received: 6/1/2005
P.O. Number: H8029.Q
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab # : 43758-003 Sample ID: MW-7

Matrix: Liquid Sample Date: 5/31/2005 4:07 PM

EPA 5030B EPA 8260B EPA 624

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
Toluene	2.5		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
Ethyl Benzene	2.2		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
Xylenes, Total	13		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
Methyl-t-butyl Ether	ND		1	1.0	µg/L	N/A	N/A	6/2/2005	WMS1050602
tert-Butyl Ethyl Ether	ND		1	5.0	µg/L	N/A	N/A	6/2/2005	WMS1050602
tert-Butanol (TBA)	ND		1	10	µg/L	N/A	N/A	6/2/2005	WMS1050602
Diisopropyl Ether	ND		1	5.0	µg/L	N/A	N/A	6/2/2005	WMS1050602
tert-Amyl Methyl Ether	ND		1	5.0	µg/L	N/A	N/A	6/2/2005	WMS1050602

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	92.2	75 - 125
Dibromofluoromethane	115	75 - 125
Toluene-d8	104	75 - 125

Analyzed by: XBian

Reviewed by: TFulton

EPA 5030B GC-MS

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	38		1	25	µg/L	N/A	N/A	6/2/2005	WMS1050602

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	98.7	75 - 125
Dibromofluoromethane	102	75 - 125
Toluene-d8	102	75 - 125

Analyzed by: XBian

Reviewed by: TFulton

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076
Attn: Josh Hannaleck

Project ID: H8029.Q
Date Received: 6/1/2005
P.O. Number: H8029.Q
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 43758-004 Sample ID: MW-6 Matrix: Liquid Sample Date: 5/31/2005 5:02 PM

EPA 5030B	EPA 8260B	EPA 624	Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
			Benzene	ND		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
			Toluene	2.1		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
			Ethyl Benzene	2.6		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
			Xylenes, Total	16		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
			Methyl-t-butyl Ether	ND		1	1.0	µg/L	N/A	N/A	6/2/2005	WMS1050602
			tert-Butyl Ethyl Ether	ND		1	5.0	µg/L	N/A	N/A	6/2/2005	WMS1050602
			tert-Butanol (TBA)	ND		1	10	µg/L	N/A	N/A	6/2/2005	WMS1050602
			Diisopropyl Ether	ND		1	5.0	µg/L	N/A	N/A	6/2/2005	WMS1050602
			tert-Amyl Methyl Ether	ND		1	5.0	µg/L	N/A	N/A	6/2/2005	WMS1050602

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	93.2	75 - 125
Dibromofluoromethane	112	75 - 125
Toluene-d8	103	75 - 125

Analyzed by: XBian
Reviewed by: TFulton

EPA 5030B GC-MS

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	43		1	25	µg/L	N/A	N/A	6/2/2005	WMS1050602

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	99.8	75 - 125
Dibromofluoromethane	99.8	75 - 125
Toluene-d8	102	75 - 125

Analyzed by: XBian
Reviewed by: TFulton

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076
Attn: Josh Hannaleck

Project ID: H8029.Q
Date Received: 6/1/2005
P.O. Number: H8029.Q
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 43758-005 Sample ID: MW-5 Matrix: Liquid Sample Date: 5/31/2005 7:12 PM

EPA 5030B EPA 8260B EPA 624

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
Toluene	ND		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
Ethyl Benzene	ND		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
Xylenes, Total	1.2		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
Methyl-t-butyl Ether	ND		1	1.0	µg/L	N/A	N/A	6/2/2005	WMS1050602
tert-Butyl Ethyl Ether	ND		1	5.0	µg/L	N/A	N/A	6/2/2005	WMS1050602
tert-Butanol (TBA)	ND		1	10	µg/L	N/A	N/A	6/2/2005	WMS1050602
Diisopropyl Ether	ND		1	5.0	µg/L	N/A	N/A	6/2/2005	WMS1050602
tert-Amyl Methyl Ether	ND		1	5.0	µg/L	N/A	N/A	6/2/2005	WMS1050602

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	93.7	75 - 125
Dibromofluoromethane	111	75 - 125
Toluene-d8	105	75 - 125

Analyzed by: XBian
Reviewed by: TFulton

EPA 5030B GC-MS

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1	25	µg/L	N/A	N/A	6/2/2005	WMS1050602

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	100	75 - 125
Dibromofluoromethane	99.2	75 - 125
Toluene-d8	103	75 - 125

Analyzed by: XBian
Reviewed by: TFulton

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Method Blank - Liquid - EPA 8260B - 8260Petroleum

QC Batch ID: WMS1050602

Validated by: TFulton - 06/07/05

QC Batch Analysis Date: 6/2/2005

Parameter	Result	DF	PQLR	Units
Benzene	ND	1	0.50	µg/L
Diisopropyl Ether	ND	1	5.0	µg/L
Ethyl Benzene	ND	1	0.50	µg/L
Methyl-t-butyl Ether	ND	1	1.0	µg/L
tert-Amyl Methyl Ether	ND	1	5.0	µg/L
tert-Butanol (TBA)	ND	1	10	µg/L
tert-Butyl Ethyl Ether	ND	1	5.0	µg/L
Toluene	ND	1	0.50	µg/L
Xylenes, Total	ND	1	0.50	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	94.2	75 - 125
Dibromofluoromethane	113	75 - 125
Toluene-d8	105	75 - 125

Method Blank - Liquid - GC-MS - TPH as Gasoline - GC-MS

QC Batch ID: WMS1050602

Validated by: TFulton - 06/07/05

QC Batch Analysis Date: 6/2/2005

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	25	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	101	75 - 125
Dibromofluoromethane	101	75 - 125
Toluene-d8	104	75 - 125

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Laboratory Control Sample / Duplicate - Liquid - EPA 8260B - 8260Petroleum

QC Batch ID: WMS1050602

Reviewed by: TFulton - 06/07/05

QC Batch ID Analysis Date: 6/2/2005

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Benzene	<0.50	20	20.5	µg/L	102	80 - 120
Methyl-t-butyl Ether	<1.0	20	21.2	µg/L	106	80 - 120
Toluene	<0.50	20	19.0	µg/L	95.0	80 - 120

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	84.9	75 - 125
Dibromofluoromethane	98.6	75 - 125
Toluene-d8	93.3	75 - 125

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	<0.50	20	19.8	µg/L	99.0	3.5	25.0	80 - 120
Methyl-t-butyl Ether	<1.0	20	21.4	µg/L	107	0.94	25.0	80 - 120
Toluene	<0.50	20	19.0	µg/L	95.0	0.0	25.0	80 - 120

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	85.5	75 - 125
Dibromofluoromethane	101	75 - 125
Toluene-d8	95.2	75 - 125

Laboratory Control Sample / Duplicate - Liquid - GC-MS - TPH as Gasoline - GC-MS

QC Batch ID: WMS1050602

Reviewed by: TFulton - 06/07/05

QC Batch ID Analysis Date: 6/2/2005

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<25	120	149	µg/L	119	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	101	75 - 125
Dibromofluoromethane	92.9	75 - 125
Toluene-d8	103	75 - 125

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<25	120	154	µg/L	124	3.5	25.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	100	75 - 125
Dibromofluoromethane	93.2	75 - 125
Toluene-d8	103	75 - 125

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Matrix Spike / Matrix Spike Duplicate - Liquid - EPA 8260B - 8260Petroleum

QC Batch ID: WMS1050602

Reviewed by: TFulton - 06/07/05

QC Batch ID Analysis Date: 6/2/2005

MS

Sample Spiked: 43758-005

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	Recovery Limits
Benzene	ND	20	20.2	µg/L	6/2/2005	101	65 - 140
Methyl-t-butyl Ether	ND	20	21.4	µg/L	6/2/2005	107	65 - 140
Toluene	ND	20	19.6	µg/L	6/2/2005	98.0	65 - 140

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	87.6	75 - 125
Dibromofluoromethane	99.6	75 - 125
Toluene-d8	94.3	75 - 125

MSD

Sample Spiked: 43758-005

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	ND	20	20.9	µg/L	6/2/2005	104	3.4	25.0	65 - 140
Methyl-t-butyl Ether	ND	20	23.4	µg/L	6/2/2005	117	8.9	25.0	65 - 140
Toluene	ND	20	21.6	µg/L	6/2/2005	108	9.7	25.0	65 - 140

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	85.4	75 - 125
Dibromofluoromethane	104	75 - 125
Toluene-d8	102	75 - 125

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Josh Hannaleck
Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076

Certificate ID: 43759 - 6/7/2005 1:03:13 PM

Order Number: 43759
Project Name: Chemical Lime
Project Number: H8029.Q

Date Received: 6/1/2005 4:20:46 PM
P.O. Number: H8029.Q

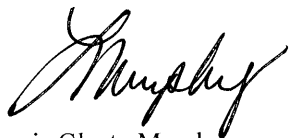
Certificate of Analysis - Final Report

On June 01, 2005, samples were received under chain of custody for analysis. Entech analyzes samples "as received" unless

<u>Matrix</u>	<u>Test</u>	<u>Method</u>	<u>Comments</u>
Liquid	8260Petroleum	EPA 8260B	
	Electronic Deliverables	EDF	
	TPH as Gasoline by GC/MS	GC-MS	

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346).
If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,



Laurie Glantz-Murphy
Laboratory Director

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076
Attn: Josh Hannaleck

Project ID: H8029.Q
Date Received: 6/1/2005
P.O. Number: H8029.Q
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 43759-001 Sample ID: PW-4

Matrix: Liquid Sample Date: 5/31/2005 1:45 PM

EPA 5030B EPA 8260B EPA 624

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
Toluene	ND		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
Ethyl Benzene	ND		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
Xylenes, Total	ND		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
Methyl-t-butyl Ether	ND		1	1.0	µg/L	N/A	N/A	6/2/2005	WMS1050602
tert-Butyl Ethyl Ether	ND		1	5.0	µg/L	N/A	N/A	6/2/2005	WMS1050602
tert-Butanol (TBA)	ND		1	10	µg/L	N/A	N/A	6/2/2005	WMS1050602
Diisopropyl Ether	ND		1	5.0	µg/L	N/A	N/A	6/2/2005	WMS1050602
tert-Amyl Methyl Ether	ND		1	5.0	µg/L	N/A	N/A	6/2/2005	WMS1050602

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	91.1	75 - 125
Dibromofluoromethane	115	75 - 125
Toluene-d8	106	75 - 125

Analyzed by: XBian
Reviewed by: TFulton

EPA 5030B GC-MS

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1	25	µg/L	N/A	N/A	6/2/2005	WMS1050602

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	97.5	75 - 125
Dibromofluoromethane	102	75 - 125
Toluene-d8	104	75 - 125

Analyzed by: XBian
Reviewed by: TFulton

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076
Attn: Josh Hannaleck

Project ID: H8029.Q
Date Received: 6/1/2005
P.O. Number: H8029.Q
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 43759-002 Sample ID: PW-5 Matrix: Liquid Sample Date: 5/31/2005 2:30 PM

EPA 5030B	EPA 8260B	EPA 624	Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
			Benzene	ND		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
			Toluene	ND		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
			Ethyl Benzene	ND		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
			Xylenes, Total	ND		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
			Methyl-t-butyl Ether	ND		1	1.0	µg/L	N/A	N/A	6/2/2005	WMS1050602
			tert-Butyl Ethyl Ether	ND		1	5.0	µg/L	N/A	N/A	6/2/2005	WMS1050602
			tert-Butanol (TBA)	ND		1	10	µg/L	N/A	N/A	6/2/2005	WMS1050602
			Diisopropyl Ether	ND		1	5.0	µg/L	N/A	N/A	6/2/2005	WMS1050602
			tert-Amyl Methyl Ether	ND		1	5.0	µg/L	N/A	N/A	6/2/2005	WMS1050602

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	93.3	75 - 125
Dibromofluoromethane	115	75 - 125
Toluene-d8	106	75 - 125

Analyzed by: XBian
Reviewed by: TFulton

EPA 5030B GC-MS

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1	25	µg/L	N/A	N/A	6/2/2005	WMS1050602

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	99.8	75 - 125
Dibromofluoromethane	103	75 - 125
Toluene-d8	105	75 - 125

Analyzed by: XBian
Reviewed by: TFulton

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076
Attn: Josh Hannaleck

Project ID: H8029.Q
Date Received: 6/1/2005
P.O. Number: H8029.Q
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 43759-003 Sample ID: PW-6 Matrix: Liquid Sample Date: 5/31/2005 1:30 PM

EPA 5030B EPA 8260B EPA 624

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
Toluene	ND		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
Ethyl Benzene	ND		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
Xylenes, Total	ND		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
Methyl-t-butyl Ether	ND		1	1.0	µg/L	N/A	N/A	6/2/2005	WMS1050602
tert-Butyl Ethyl Ether	ND		1	5.0	µg/L	N/A	N/A	6/2/2005	WMS1050602
tert-Butanol (TBA)	ND		1	10	µg/L	N/A	N/A	6/2/2005	WMS1050602
Diisopropyl Ether	ND		1	5.0	µg/L	N/A	N/A	6/2/2005	WMS1050602
tert-Amyl Methyl Ether	ND		1	5.0	µg/L	N/A	N/A	6/2/2005	WMS1050602

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	91.6	75 - 125
Dibromofluoromethane	119	75 - 125
Toluene-d8	107	75 - 125

Analyzed by: XBian
Reviewed by: TFulton

EPA 5030B GC-MS

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1	25	µg/L	N/A	N/A	6/2/2005	WMS1050602

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	98.1	75 - 125
Dibromofluoromethane	106	75 - 125
Toluene-d8	105	75 - 125

Analyzed by: XBian
Reviewed by: TFulton

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Method Blank - Liquid - EPA 8260B - 8260Petroleum

QC Batch ID: WMS1050602

Validated by: TFulton - 06/07/05

QC Batch Analysis Date: 6/2/2005

Parameter	Result	DF	PQLR	Units
Benzene	ND	1	0.50	µg/L
Diisopropyl Ether	ND	1	5.0	µg/L
Ethyl Benzene	ND	1	0.50	µg/L
Methyl-t-butyl Ether	ND	1	1.0	µg/L
tert-Amyl Methyl Ether	ND	1	5.0	µg/L
tert-Butanol (TBA)	ND	1	10	µg/L
tert-Butyl Ethyl Ether	ND	1	5.0	µg/L
Toluene	ND	1	0.50	µg/L
Xylenes, Total	ND	1	0.50	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	94.2	75 - 125
Dibromofluoromethane	113	75 - 125
Toluene-d8	105	75 - 125

Method Blank - Liquid - GC-MS - TPH as Gasoline - GC-MS

QC Batch ID: WMS1050602

Validated by: TFulton - 06/07/05

QC Batch Analysis Date: 6/2/2005

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	25	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	101	75 - 125
Dibromofluoromethane	101	75 - 125
Toluene-d8	104	75 - 125

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Laboratory Control Sample / Duplicate - Liquid - EPA 8260B - 8260Petroleum

QC Batch ID: WMS1050602

Reviewed by: TFulton - 06/07/05

QC Batch ID Analysis Date: 6/2/2005

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Benzene	<0.50	20	20.5	µg/L	102	80 - 120
Methyl-t-butyl Ether	<1.0	20	21.2	µg/L	106	80 - 120
Toluene	<0.50	20	19.0	µg/L	95.0	80 - 120

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	84.9	75 - 125
Dibromofluoromethane	98.6	75 - 125
Toluene-d8	93.3	75 - 125

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	<0.50	20	19.8	µg/L	99.0	3.5	25.0	80 - 120
Methyl-t-butyl Ether	<1.0	20	21.4	µg/L	107	0.94	25.0	80 - 120
Toluene	<0.50	20	19.0	µg/L	95.0	0.0	25.0	80 - 120

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	85.5	75 - 125
Dibromofluoromethane	101	75 - 125
Toluene-d8	95.2	75 - 125

Laboratory Control Sample / Duplicate - Liquid - GC-MS - TPH as Gasoline - GC-MS

QC Batch ID: WMS1050602

Reviewed by: TFulton - 06/07/05

QC Batch ID Analysis Date: 6/2/2005

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<25	120	149	µg/L	119	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	101	75 - 125
Dibromofluoromethane	92.9	75 - 125
Toluene-d8	103	75 - 125

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<25	120	154	µg/L	124	3.5	25.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	100	75 - 125
Dibromofluoromethane	93.2	75 - 125
Toluene-d8	103	75 - 125

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Matrix Spike / Matrix Spike Duplicate - Liquid - EPA 8260B - 8260Petroleum

QC Batch ID: WMS1050602

Reviewed by: TFulton - 06/07/05

QC Batch ID Analysis Date: 6/2/2005

MS

Sample Spiked: 43758-005

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	Recovery Limits
Benzene	ND	20	20.2	µg/L	6/2/2005	101	65 - 140
Methyl-t-butyl Ether	ND	20	21.4	µg/L	6/2/2005	107	65 - 140
Toluene	ND	20	19.6	µg/L	6/2/2005	98.0	65 - 140

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	87.6	75 - 125
Dibromofluoremethane	99.6	75 - 125
Toluene-d8	94.3	75 - 125

MSD

Sample Spiked: 43758-005

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	ND	20	20.9	µg/L	6/2/2005	104	3.4	25.0	65 - 140
Methyl-t-butyl Ether	ND	20	23.4	µg/L	6/2/2005	117	8.9	25.0	65 - 140
Toluene	ND	20	21.6	µg/L	6/2/2005	108	9.7	25.0	65 - 140

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	85.4	75 - 125
Dibromofluoromethane	104	75 - 125
Toluene-d8	102	75 - 125

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Aaron Bierman
Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076

Certificate ID: 43577 - 5/17/2005 12:24:02 PM

Order Number: 43577
Project Name: Chemlime
Project Number: H8029.I

Date Received: 5/16/2005 3:48:07 PM
P.O. Number: H8029.I

Certificate of Analysis - Final Report

On May 16, 2005, samples were received under chain of custody for analysis. Entech analyzes samples "as received" unless

<u>Matrix</u>	<u>Test</u>	<u>Method</u>	<u>Comments</u>
Liquid	8260Petroleum TPH as Gasoline by GC/MS	EPA 8260B GC-MS	

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346).
If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,



Laurie Glantz-Murphy
Laboratory Director

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076
Attn: Aaron Bierman

Project ID: H8029.I
Date Received: 5/16/2005
P.O. Number: H8029.I
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 43577-001

Sample ID: PW-7

Matrix: Liquid Sample Date: 5/16/2005 12:43 PM

EPA 8260B

EPA 5030B

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1	0.50	µg/L	N/A	N/A	5/16/2005	WMS2050516
Toluene	9.2		1	0.50	µg/L	N/A	N/A	5/16/2005	WMS2050516
Ethyl Benzene	ND		1	0.50	µg/L	N/A	N/A	5/16/2005	WMS2050516
Xylenes, Total	ND		1	0.50	µg/L	N/A	N/A	5/16/2005	WMS2050516
Methyl-t-butyl Ether	ND		1	1.0	µg/L	N/A	N/A	5/16/2005	WMS2050516

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	110	75 - 125
Dibromofluoromethane	104	75 - 125
Toluene-d8	112	75 - 125

Analyzed by: Tfulton

Reviewed by: MTu

GC-MS

EPA 5030B

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1	25	µg/L	N/A	N/A	5/16/2005	WMS2050516

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	102	75 - 125
Dibromofluoromethane	91.7	75 - 125
Toluene-d8	97.2	75 - 125

Analyzed by: Tfulton

Reviewed by: MTu

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076
Attn: Aaron Bierman

Project ID: H8029.I
Date Received: 5/16/2005
P.O. Number: H8029.I
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab # : 43577-002

Sample ID: PW-8

Matrix: Liquid Sample Date: 5/16/2005 12:55 PM

EPA 8260B

EPA 5030B

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1	0.50	µg/L	N/A	N/A	5/16/2005	WMS2050516
Toluene	4.1		1	0.50	µg/L	N/A	N/A	5/16/2005	WMS2050516
Ethyl Benzene	ND		1	0.50	µg/L	N/A	N/A	5/16/2005	WMS2050516
Xylenes, Total	ND		1	0.50	µg/L	N/A	N/A	5/16/2005	WMS2050516
Methyl-t-butyl Ether	15		1	1.0	µg/L	N/A	N/A	5/16/2005	WMS2050516

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	110	75 - 125
Dibromofluoromethane	105	75 - 125
Toluene-d8	111	75 - 125

Analyzed by: Tfulton

Reviewed by: MTu

GC-MS

EPA 5030B

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	110		1	25	µg/L	N/A	N/A	5/16/2005	WMS2050516

Note: TPH as Gasoline reported value is mostly due to THF (approx. 1800ppb).

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	101	75 - 125
Dibromofluoromethane	92.8	75 - 125
Toluene-d8	96.8	75 - 125

Analyzed by: Tfulton

Reviewed by: MTu

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076
Attn: Aaron Bierman

Project ID: H8029.I
Date Received: 5/16/2005
P.O. Number: H8029.I
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 43577-003

Sample ID: Washwater

Matrix: Liquid Sample Date: 5/16/2005 1:20 PM

EPA 8260B

EPA 5030B

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1	0.50	µg/L	N/A	N/A	5/16/2005	WMS2050516
Toluene	ND		1	0.50	µg/L	N/A	N/A	5/16/2005	WMS2050516
Ethyl Benzene	ND		1	0.50	µg/L	N/A	N/A	5/16/2005	WMS2050516
Xylenes, Total	ND		1	0.50	µg/L	N/A	N/A	5/16/2005	WMS2050516
Methyl-t-butyl Ether	ND		1	1.0	µg/L	N/A	N/A	5/16/2005	WMS2050516

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	111	75 - 125
Dibromofluoromethane	107	75 - 125
Toluene-d8	111	75 - 125

Analyzed by: Tfulton

Reviewed by: MTu

GC-MS

EPA 5030B

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1	25	µg/L	N/A	N/A	5/16/2005	WMS2050516

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	103	75 - 125
Dibromofluoromethane	95.1	75 - 125
Toluene-d8	96.9	75 - 125

Analyzed by: Tfulton

Reviewed by: MTu

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Quality Control - Method Blank

Liquid

QC Batch ID: WMS2050516

Validated by: MTu - 05/17/05

QC Batch ID Analysis Date: 5/16/2005

Method Blank		Method: EPA 8260B			
Parameter		Result	DF	PQLR	Units
Benzene		ND	1	0.50	µg/L
Ethyl Benzene		ND	1	0.50	µg/L
Methyl-t-butyl Ether		ND	1	1.0	µg/L
Toluene		ND	1	0.50	µg/L
Xylenes, Total		ND	1	0.50	µg/L
Surrogate for Blank	% Recovery	Control Limits			
4-Bromofluorobenzene	108	75 - 125			
Dibromofluoromethane	103	75 - 125			
Toluene-d8	110	75 - 125			

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Quality Control - Laboratory Control Spike / Duplicate Results

Liquid

QC Batch ID: WMS2050516

Reviewed by: MTu - 05/17/05

QC Batch ID Analysis Date: 5/16/2005

Method: EPA 8260B

Conc. Units: µg/L

LCS

Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.2	20	20.0	LCS	100			80 - 120
Benzene	<0.2	20	20.0	LCS	100			80 - 120
Chlorobenzene	<0.2	20	22.0	LCS	110			80 - 120
Methyl-t-butyl Ether	<0.3	20	22.0	LCS	110			80 - 120
Toluene	<0.2	20	21.0	LCS	105			80 - 120
Trichloroethene	<0.2	20	22.0	LCS	110			80 - 120

Surrogate

% Recovery

Control Limits

LCS

4-Bromofluorobenzene	109	75 - 125
Dibromofluoromethane	105	75 - 125
Toluene-d8	109	75 - 125

LCSD

Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.2	20	20.0	LCSD	100		25.0	80 - 120
Benzene	<0.2	20	21.0	LCSD	105		25.0	80 - 120
Chlorobenzene	<0.2	20	22.0	LCSD	110		25.0	80 - 120
Methyl-t-butyl Ether	<0.3	20	24.0	LCSD	120		25.0	80 - 120
Toluene	<0.2	20	22.0	LCSD	110		25.0	80 - 120
Trichloroethene	<0.2	20	22.0	LCSD	110		25.0	80 - 120

Surrogate

% Recovery

Control Limits

LCSD

4-Bromofluorobenzene	110	75 - 125
Dibromofluoromethane	108	75 - 125
Toluene-d8	108	75 - 125

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Quality Control - Method Blank

Liquid

QC Batch ID: WMS2050516

Validated by: MTu - 05/17/05

QC Batch ID Analysis Date: 5/16/2005

Method Blank		Method: GC-MS			
Parameter		Result	DF	PQLR	Units
TPH as Gasoline		ND	1	25	µg/L
Surrogate for Blank	% Recovery	Control Limits			
4-Bromofluorobenzene	100	75	-	125	
Dibromofluoromethane	91.3	75	-	125	
Toluene-d8	95.8	75	-	125	

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Quality Control - Laboratory Control Spike / Duplicate Results

Liquid

QC Batch ID: WMS2050516

Reviewed by: MTu - 05/17/05

QC Batch ID Analysis Date: 5/16/2005

Method: GC-MS

Conc. Units: µg/L

LCS

Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<6	250	270	LCS	108			65 - 140

Surrogate

% Recovery

Control Limits

LCS

4-Bromofluorobenzene 103 75 - 125

Dibromofluoromethane 91.5 75 - 125

Toluene-d8 97.5 75 - 125

LCSD

Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<6	250	280	LCSD	112		25.0	65 - 140

Surrogate

% Recovery

Control Limits

LCSD

4-Bromofluorobenzene 103 75 - 125

Dibromofluoromethane 96.5 75 - 125

Toluene-d8 97.0 75 - 125

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Josh Hannaleck
Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076

Certificate ID: 43760 - 6/7/2005 12:06:11 PM

Order Number: 43760
Project Name: Chemlime
Project Number: H8029.I

Date Received: 6/1/2005 4:28:13 PM
P.O. Number: H8029.I

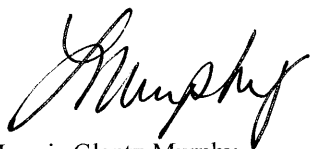
Certificate of Analysis - Final Report

On June 01, 2005, sample was received under chain of custody for analysis. Entech analyzes samples "as received" unless otherwise

<u>Matrix</u>	<u>Test</u>	<u>Method</u>	<u>Comments</u>
Liquid	8260Petroleum TPH as Gasoline by GC/MS	EPA 8260B GC-MS	

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346).
If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,



Laurie Glantz-Murphy
Laboratory Director

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Weber, Hayes and Associates
120 Westgate Drive
Watsonville, CA 95076
Attn: Josh Hannaleck

Project ID: H8029.I
Date Received: 6/1/2005
P.O. Number: H8029.I
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab # : 43760-001 Sample ID: PW-8 Matrix: Liquid Sample Date: 5/31/2005 2:21 PM

EPA 5030B	EPA 8260B	EPA 624	Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
			Benzene	ND		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
			Toluene	ND		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
			Ethyl Benzene	ND		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
			Xylenes, Total	ND		1	0.50	µg/L	N/A	N/A	6/2/2005	WMS1050602
			Methyl-t-butyl Ether	4.3		1	1.0	µg/L	N/A	N/A	6/2/2005	WMS1050602
			tert-Butyl Ethyl Ether	ND		1	5.0	µg/L	N/A	N/A	6/2/2005	WMS1050602
			tert-Butanol (TBA)	ND		1	10	µg/L	N/A	N/A	6/2/2005	WMS1050602
			Diisopropyl Ether	ND		1	5.0	µg/L	N/A	N/A	6/2/2005	WMS1050602
			tert-Amyl Methyl Ether	ND		1	5.0	µg/L	N/A	N/A	6/2/2005	WMS1050602

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	93.2	75 - 125
Dibromofluoromethane	113	75 - 125
Toluene-d8	105	75 - 125

Analyzed by: XBian
Reviewed by: TFulton

EPA 5030B GC-MS

Parameter	Result	Qual	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1	25	µg/L	N/A	N/A	6/2/2005	WMS1050602

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	99.8	75 - 125
Dibromofluoromethane	101	75 - 125
Toluene-d8	103	75 - 125

Analyzed by: XBian
Reviewed by: TFulton

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Method Blank - Liquid - EPA 8260B - 8260Petroleum

QC Batch ID: WMS1050602

Validated by: TFulton - 06/07/05

QC Batch Analysis Date: 6/2/2005

Parameter	Result	DF	PQLR	Units
Benzene	ND	1	0.50	µg/L
Diisopropyl Ether	ND	1	5.0	µg/L
Ethyl Benzene	ND	1	0.50	µg/L
Methyl-t-butyl Ether	ND	1	1.0	µg/L
tert-Amyl Methyl Ether	ND	1	5.0	µg/L
tert-Butanol (TBA)	ND	1	10	µg/L
tert-Butyl Ethyl Ether	ND	1	5.0	µg/L
Toluene	ND	1	0.50	µg/L
Xylenes, Total	ND	1	0.50	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	94.2	75 - 125
Dibromofluoromethane	113	75 - 125
Toluene-d8	105	75 - 125

Method Blank - Liquid - GC-MS - TPH as Gasoline - GC-MS

QC Batch ID: WMS1050602

Validated by: TFulton - 06/07/05

QC Batch Analysis Date: 6/2/2005

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	25	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	101	75 - 125
Dibromofluoromethane	101	75 - 125
Toluene-d8	104	75 - 125

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Laboratory Control Sample / Duplicate - Liquid - EPA 8260B - 8260Petroleum

QC Batch ID: WMS1050602

Reviewed by: TFulton - 06/07/05

QC Batch ID Analysis Date: 6/2/2005

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Benzene	<0.50	20	20.5	µg/L	102	80 - 120
Methyl-t-butyl Ether	<1.0	20	21.2	µg/L	106	80 - 120
Toluene	<0.50	20	19.0	µg/L	95.0	80 - 120

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	84.9	75 - 125
Dibromofluoromethane	98.6	75 - 125
Toluene-d8	93.3	75 - 125

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	<0.50	20	19.8	µg/L	99.0	3.5	25.0	80 - 120
Methyl-t-butyl Ether	<1.0	20	21.4	µg/L	107	0.94	25.0	80 - 120
Toluene	<0.50	20	19.0	µg/L	95.0	0.0	25.0	80 - 120

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	85.5	75 - 125
Dibromofluoromethane	101	75 - 125
Toluene-d8	95.2	75 - 125

Laboratory Control Sample / Duplicate - Liquid - GC-MS - TPH as Gasoline - GC-MS

QC Batch ID: WMS1050602

Reviewed by: TFulton - 06/07/05

QC Batch ID Analysis Date: 6/2/2005

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<25	120	149	µg/L	119	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	101	75 - 125
Dibromofluoromethane	92.9	75 - 125
Toluene-d8	103	75 - 125

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<25	120	154	µg/L	124	3.5	25.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	100	75 - 125
Dibromofluoromethane	93.2	75 - 125
Toluene-d8	103	75 - 125

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Matrix Spike / Matrix Spike Duplicate - Liquid - EPA 8260B - 8260Petroleum

QC Batch ID: WMS1050602

Reviewed by: TFulton - 06/07/05

QC Batch ID Analysis Date: 6/2/2005

MS

Sample Spiked: 43758-005

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	Recovery Limits
Benzene	ND	20	20.2	µg/L	6/2/2005	101	65 - 140
Methyl-t-butyl Ether	ND	20	21.4	µg/L	6/2/2005	107	65 - 140
Toluene	ND	20	19.6	µg/L	6/2/2005	98.0	65 - 140

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	87.6	75 - 125
Dibromofluoromethane	99.6	75 - 125
Toluene-d8	94.3	75 - 125

MSD

Sample Spiked: 43758-005

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	ND	20	20.9	µg/L	6/2/2005	104	3.4	25.0	65 - 140
Methyl-t-butyl Ether	ND	20	23.4	µg/L	6/2/2005	117	8.9	25.0	65 - 140
Toluene	ND	20	21.6	µg/L	6/2/2005	108	9.7	25.0	65 - 140

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	85.4	75 - 125
Dibromofluoromethane	104	75 - 125
Toluene-d8	102	75 - 125

